

20021127.qrp v02\_n752.qrl.20021127

Date: Wed, 27 Nov 2002 19:03:12 EST  
From: qrp-l@Lehigh.EDU  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: QRP-L digest 2752

QRP-L Digest 2752

Topics covered in this issue include:

- 1) [140939] Re: arrl.net situation  
by "Karl F. Larsen" <k5di@zianet.com>
- 2) [140940] Awesome keyer kit  
by John Harper AE5X <ae5x@qsl.net>
- 3) [140941] Re: arrl.net situation  
by Dave Richards <wr3i@earthlink.net>
- 4) [140942] Re: OT: 24 VDC to 5 VDC  
by "Karl F. Larsen" <k5di@zianet.com>
- 5) [140943] Re: IF frequency  
by "Mark J. Dulcey" <mark@buttery.org>
- 6) [140944] Re: IF freq in the Yaseu Ft-817  
by "Karl F. Larsen" <k5di@zianet.com>
- 7) [140945] Re: IF freq in the Yaseu Ft-817  
by Dave Richards <wr3i@earthlink.net>
- 8) [140946] Re: OT: 24 VDC to 5 VDC  
by "Jim Kortge, K8IQY" <jokortge@prodigy.net>
- 9) [140947] RE: Physical to electrical characteristics of air-wound coils  
by Nick Kennedy <nkennedy@tcainet.net>
- 10) [140948] Re: arrl.net situation  
by "Karl F. Larsen" <k5di@zianet.com>
- 11) [140949] RE: 24 VDC to 5 VDC  
by Nick Kennedy <nkennedy@tcainet.net>
- 12) [140950] Re: IF freq in the Yaseu Ft-817  
by "Karl F. Larsen" <k5di@zianet.com>
- 13) [140951] RE: IF frequency  
by Nick Kennedy <nkennedy@tcainet.net>
- 14) [140952] OT: Mail Loading Speed  
by "Pat J. Whelton" <pwhelton@hal-pc.org>
- 15) [140953] Re: FDIM2003  
by "Tom Dooley" <tdooley@attbi.com>
- 16) [140954] Re: FDIM2003  
by "Tom Dooley" <tdooley@attbi.com>
- 17) [140955] Re: Awesome keyer kit  
by "Bob Tellefsen" <n6wg@earthlink.net>
- 18) [140956] Where do I get ????  
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 19) [140957] Fox: KV2X Final Log

- by Tom and Betty Jennings <jennings@eznet.net>
- 20) [140958] Foxy, Foxy, who's got the Foxy  
by "Winchar" <winchar@mts.net>
- 21) [140959] RE: NA CONTEST LOGGER ....URL NEEDED..  
by "Fran Flynn" <fflynn@adelphia.net>
- 22) [140960] Re: FDIM2003  
by "Karl F. Larsen" <k5di@zianet.com>
- 23) [140961] OFF TOPIC - FCC Vanity Petition  
by <normany@mindspring.com>
- 24) [140962] Fw: Geomagnetic Storm Warning: Nov. 26-27, 2002  
by "Ron Polityka" <wb3aal@fast.net>
- 25) [140963] Re: FDIM2003  
by "John J. McDonough" <wb8rcr@arrl.net>
- 26) [140964] Re: FDIM2003  
by Jeffrey Davis <ke9v@comcast.net>
- 27) [140965] No NEQRP Net on Thursday - Thanksgiving Day  
by Chuck Ludinsky <cludinsky@attbi.com>
- 28) [140966] Re: FDIM2003  
by Rob Matherly <w0jrm@arrl.net>
- 29) [140967] Re: Fw: Geomagnetic Storm Warning: Nov. 26-27, 2002  
by Dave Fouchey <dafouchey@comcast.net>
- 30) [140968] Holiday Spirits Homebrew Sprint  
by Randy Foltz <rfoltz@turbonet.com>
- 31) [140969] Re: FDIM2003  
by "Tom Dooley" <tdooley@attbi.com>
- 32) [140970] Dan's Small Parts Manhattan Pads  
by Steve Holloway <wsholloway1@yahoo.com>
- 33) [140971] Re: FDIM2003  
by "Larry Makoski" <Makos327@worldnet.att.net>
- 34) [140972] Re: The 160 M Marconi antenna and WEB info.  
by Dennis Blanchard <k1lypp@yahoo.com>
- 35) [140973] Re: FDIM2003  
by "Tim, N9PUZ" <n9puz@arrl.net>
- 36) [140974] RE: The 160 M Marconi antenna and WEB info.  
by "Dave Richards" <wr3i@earthlink.net>
- 37) [140975] FS: QRP Related Items For Sale  
by Rhett Isley <risley@ipass.net>
- 38) [140976] Camping For Thanksgiving...and some QRP too ;-)  
by "Trevor Jacobs" <kg6cyn@earthlink.net>
- 39) [140977] Re: FDIM2003  
by Robert Honan <robertus@harbornet.com>
- 40) [140978] Re: OT! Re: ARRL forwarding email....not  
by Thom LaCosta <baltimoremd@baltimoremd.com>
- 41) [140979] Re: FDIM2003  
by Jeffrey Davis <ke9v@comcast.net>
- 42) [140980] Re: FOX Looking better...  
by kwiike@gdls.com
- 43) [140981] Re: ARRL forwarding email....not

by Sam Smith <sam.smith@ece.gatech.edu>  
44) [140982] Re: OT! Re: ARRL forwarding email....not  
by Alex <kr1st@amsat.org>  
45) [140983] Formulas for antennas  
by "O'Rourke, Tim" <tiorourke@davidson.edu>  
46) [140984] Re: Where do I get ????  
by Alex <kr1st@amsat.org>  
47) [140985] Re: ARRL forwarding email....not  
by bob evinger <wd9eka@evinger.com>  
48) [140986] Re: ARRL forwarding email....not  
by "brian" <brian@iquiest.net>  
49) [140987] Re: FDIM2003  
by "Karl F. Larsen" <k5di@zianet.com>  
50) [140988] Forwarding Services  
by "W2WU" <w2wurjj@verizon.net>  
51) [140989] Thanksgiving Truffle  
by Paul Womble <pwomble1@tampabay.rr.com>  
52) [140990] Re: Forwarding Services  
by "brian" <brian@iquiest.net>  
53) [140991] Re: Awesome keyer kit  
by "tmyers" <tmyers@academicplanet.com>  
54) [140992] CQ: G3R00 only  
by <mgoins@usa.net>  
55) [140993] OT: RESOURCES FOR NEW TO QRP/HAM RADIO  
by ARDUJENSKI@aol.com  
56) [140994] Re: Forwarding Services  
by Thom LaCosta <baltimoremd@baltimoremd.com>  
57) [140995] small wonder labs  
by "Siegrist, David" <david.siegrist@intel.com>  
58) [140996] Inverted-L mechanics?  
by "JAKidz" <jakidz@pullman.com>  
59) [140997] FOX Nuts!  
by "Karl F. Larsen" <k5di@zianet.com>  
60) [140998] Re: FOX Nuts!  
by W2AGN <w2agn@w2agn.net>  
61) [140999] Re: OT: RESOURCES FOR NEW TO QRP/HAM RADIO  
by Jeffrey Davis <ke9v@comcast.net>  
62) [141000] Even through solar storming...QRP abounds  
by "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>  
63) [141001] Reducing Losses in my ZMATCH  
by "Juan A. Bertolin" <ea5xq@qsl.net>  
64) [141002] Free Stuff (if you buy something)  
by "Jim" <ku4qw@yahoo.com>  
65) [141003] PCB Engineer WannaBees  
by "w8diz" <w8diz@fpqrp.com>  
66) [141004] Re: PCB Engineer WannaBees  
by "christrask" <christrask@earthlink.net>  
67) [141005] Re: QRP Wattmeter

- by "blinn" <blinn@smgazette.com>
- 68) [141006] dx country question  
by "kw3u@warwick.net" <kw3u@warwick.net>
- 69) [141007] RE: 24 VDC to 5 VDC  
by "Kory Hamzeh" <kory@avatar.com>
- 70) [141008] Re: dx country question  
by "brian" <brian@iquest.net>
- 71) [141009] Re: PCB Engineer WannaBees  
by "DTX" <dtx@wood.tzo.com>
- 72) [141010] Re: PCB Engineer WannaBees  
by "Mike Yetsko" <myetsko@insydesw.com>
- 73) [141011] Re: OT: RESOURCES FOR NEW TO QRP/HAM RADIO  
by "laura halliday" <marsgal42@hotmail.com>
- 74) [141012] Can anyone lookup a part for an SW40+?  
by Jeff Grudin <jeff@grudin.net>
- 75) [141013] PSK31 revisted...  
by Jeff <fantbb@yahoo.com>
- 76) [141014] Re: Can anyone lookup a part for an SW40+?  
by Jeff Grudin <jeff@grudin.net>
- 77) [141015] Need CAD schematic symbols  
by Rob Matherly <w0jrm@arrl.net>
- 78) [141016] Re: Reducing Losses in my ZMATCH  
by "Karl F. Larsen" <k5di@zianet.com>
- 79) [141017] Re: FOX Nuts!  
by Dave Richards <wr3i@earthlink.net>
- 80) [141018] Elecraft holiday gift guide for non hams updated  
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
- 81) [141019] Re: PCB Engineer WannaBees  
by "Tim, N9PUZ" <n9puz@arrl.net>
- 82) [141020] Re: PSK31 revisted...  
by "DTX" <dtx@wood.tzo.com>
- 83) [141021] Anyone build one of these?  
by Rob Matherly <w0jrm@arrl.net>
- 84) [141022] Re: Need CAD schematic symbols  
by Haines Brown <brownh@hartford-hwp.com>
- 85) [141023] Looking for inexpensive 30m kit  
by Rob Matherly <w0jrm@arrl.net>
- 86) [141024] Re: Need CAD schematic symbols  
by Rob Matherly <w0jrm@arrl.net>
- 87) [141025] Re: PCB Engineer WannaBees  
by "Leon Heller" <leon\_heller@hotmail.com>
- 88) [141026] Wednesday Warble Tonight  
by "David Bixler" <qrp@netins.net>
- 89) [141027] Scope probe bargain  
by Pete Burbank <plburbank@kih.net>
- 90) [141028] RE: 24 volt to 5 v another possibiltity..series regulators.  
by ve3ab@mail.mondenet.com
- 91) [141029] Holiday wishes

by Rick McKee <kc8aon@juno.com>  
92) [141030] OT: Math routines....  
by "Mike Yetsko" <myetsko@insydesw.com>  
93) [141031] FOX: Sun conditions  
by "Karl F. Larsen" <k5di@zianet.com>  
94) [141032] RF/Step Attenuator Info On ARRL Members Archive Website.....HELP  
PSE..  
by "Andy GM0NWI" <gm0nwiqrp@btopenworld.com>  
95) [141033] Re: Looking for inexpensive 30m kit  
by "Doug Hendricks" <ki6ds@dph.dpol.net>  
96) [141034] Re: Awesome keyer kit  
by John Harper AE5X <ae5x@qsl.net>  
97) [141035] Re: Math routines.... Brain Fade!  
by "Mike Yetsko" <myetsko@insydesw.com>  
98) [141036] Re: OT: Math routines....  
by Brian Short <bshort4@cox.net>

-----  
Date: Tue, 26 Nov 2002 16:17:08 -0700 (MST)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: Big McLargeHuge <w0jrm@arrl.net>  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [140939] Re: arrl.net situation  
Message-ID: <Pine.LNX.4.44.0211261608320.1769-1000000@bucket.dog>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

What pry tell does the ARRL have to do with Hotmail/MSM and Juno? I like  
the arrl.net reflector and it works fine on my server.

If you feel you MUST use hotmail/msn or juno expect a lot of things to  
not work and the reflector is one.

On Tue, 26 Nov 2002, Big McLargeHuge wrote:

> Here's the news release. From what I understand, the ARRL didn't stop  
> sending to Hotmail and Juno, Hotmail and Juno stopped accepting from ARRL.  
>  
> So this isn't a day to applaud the leauge, it's a day to scratch your head  
> and go "HUH?" :^)  
>  
> -----  
>  
> <http://www.arrl.org/news/stories/2002/11/25/101/?nc=1>  
>  
>

>  
> ARRL.NET Traffic Blocked by Hotmail and Juno  
>  
> NEWINGTON, CT, Nov 25, 2002--Hotmail.com and Juno.com notified ARRL  
> headquarters today that they have stopped accepting e-mail messages  
> forwarded to users of their services from the arrl.net e-mail forwarding  
> server. Almost 6,000 ARRL members are affected by this action.  
>  
> According to representatives of the two companies, this is, in part, their  
> solution to the Internet-wide problem of spam. The ARRL, through the vendor  
> for the arrl.net server, is currently working with both of these companies  
> to resolve this matter, but an immediate solution does not appear to be  
> imminent. Until the matter is resolved, the League cannot deliver e-mail  
> through the arrl.net server to users of the Hotmail or Juno e-mail services.  
>  
> ARRL apologizes for the inconvenience created by their decision and will  
> keep you apprised of progress in the matter.  
>  
> -----  
>  
>

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Date: Tue, 26 Nov 2002 19:35:23 -0500  
From: John Harper AE5X <ae5x@qsl.net>  
To: QRP-L <qrp-l@lehigh.edu>  
Subject: [140940] Awesome keyer kit  
Message-ID: <000501c295ac\$e1177680\$6401a8c0@Home>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

About a week & a half before the CQWW contest, my TiCK keyer gave up the ghost - the timing couldn't have been worse. For about 3 milliseconds I knew I would have to order another one and hope that I could reach someone to take my order. Then I remembered hearing something about another keyer on the market, managed to find its (impressive) description on a web site and decided to order one. It got here in no time and I taught my 9-year old daughter how to solder as we built it and put it into a perfectly sized box I had left over from a long-forgotten project.

Rather than repeat the features here, I'll just post the url:  
<http://www.morsex.com/jhp/index.htm#ik2>

This keyer is amazing and does everything the description says it will. Its great to have all the memories available, although I use only 4 of them -

each is a single push of a button. Besides the memories, another great improvement over the TiCK is a potentiometer-variable speed control. That and a lot more, for 33 bucks.

John Harper AE5X  
Outdoor QRP & 80-Meter DXing: <http://www.ae5x.com>

-----  
Date: Tue, 26 Nov 2002 19:37:13 -0500  
From: Dave Richards <wr3i@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>,  
k5di@zianet.com  
Subject: [140941] Re: arrl.net situation  
Message-ID: <LH1J6ZSP86J71612Y2VQLNIS0730N.3de413b9@Home4>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"

Who do you use as an internet provider Karl????  
Dave

11/26/2002 6:17:08 PM, "Karl F. Larsen" <k5di@zianet.com> wrote:

>  
>What pry tell does the ARRL have to do with Hotmail/MSM and Juno? I like  
>the arrl.net reflector and it works fine on my server.  
>  
>If you feel you MUST use hotmail/msn or juno expect a lot of things to  
>not work and the reflector is one.  
>  
>On Tue, 26 Nov 2002, Big McLargeHuge wrote:  
>  
>> Here's the news release. From what I understand, the ARRL didn't stop  
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>> So this isn't a day to applaud the leauge, it's a day to scratch your head  
>> and go "HUH?" :^)  
>>  
>> -----  
>>  
>> <http://www.arrl.org/news/stories/2002/11/25/101/?nc=1>  
>>  
>>  
>> ARRL.NET Traffic Blocked by Hotmail and Juno

>>  
>> NEWINGTON, CT, Nov 25, 2002--Hotmail.com and Juno.com notified ARRL  
>> headquarters today that they have stopped accepting e-mail messages  
>> forwarded to users of their services from the arrl.net e-mail forwarding  
>> server. Almost 6,000 ARRL members are affected by this action.  
>>  
>> According to representatives of the two companies, this is, in part, their  
>> solution to the Internet-wide problem of spam. The ARRL, through the vendor  
>> for the arrl.net server, is currently working with both of these companies  
>> to resolve this matter, but an immediate solution does not appear to be  
>> imminent. Until the matter is resolved, the League cannot deliver e-mail  
>> through the arrl.net server to users of the Hotmail or Juno e-mail services.  
>>  
>> ARRL apologizes for the inconvenience created by their decision and will  
>> keep you apprised of progress in the matter.  
>>  
>> -----  
>>  
>>  
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>

-----  
Date: Tue, 26 Nov 2002 16:27:33 -0700 (MST)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: Kory Hamzeh <kory@avatar.com>  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [140942] Re: OT: 24 VDC to 5 VDC  
Message-ID: <Pine.LNX.4.44.0211261623370.1769-100000@bucket.dog>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

If your running just 100 ma through the 5 volt regulator your disipating  
about  $24 - 5 = 19$  volts at .1 amp so power = volts X amps =  $19 \times .1 =$   
1.9 watts. So most of the large can type 5 volt regulators are rated at  
5 watts so just mount it to your box as a heat sink.

Make sense?

On Tue, 26 Nov 2002, Kory Hamzeh wrote:

>  
> Hi Guys,



>  
> This is not ham related but electronics -- I thought maybe the list members  
> can give me some pointers. I am powering a stepper motor driver which needs  
> 24 VDC and also 5 VDC (+/- 5%) @ 100 milliamps. My power supply only has a  
> 24 VDC output, so somehow I need to come up with a simple 5V source. Now, I  
> know I can drive a 7805 directly from the 24 volt supply, but it will  
> generate a lot of heat. I was told I would need a large heat sink and  
> possibly some airflow to make it work.  
>  
> The 7805 data sheet suggests putting a resistor in series with the input  
> side of the 7805, but it does not suggest any values.  
>  
> Does anyone have any clever ideas on how I can do this or can suggest  
> starting values for the resistor?  
>  
> Thanks & 73,  
> Kory  
> AC6RN  
>  
>  
>

-----  
Date: Tue, 26 Nov 2002 19:40:31 -0500  
From: "Mark J. Dulcey" <mark@buttery.org>  
To: qrp-l@lehigh.edu  
Subject: [140943] Re: IF frequency  
Message-ID: <3DE4147F.8020900@buttery.org>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

People have put forth a number of good arguments in favor of the 4.9152 MHz frequency. The one about accuracy isn't entirely right, though; crystals, regardless of how many apparently significant digits are in the marked frequency, are all made to similar tolerances. These vary from 100ppm or less for good crystals, to 0.1% for really bad cheap ones. (Fancy crystals for mobile radios are often made to even closer tolerances, and require that you specify the radio that they are going into, so they can set them up for exactly the right oscillator circuitry.) However, all things being equal, the 4.9 MHz crystals will be more closely matched - in Hz of difference - than the 9 MHz crystals, because they're at a lower frequency.

However, there are a couple of arguments in favor of 9 MHz IFs as well. First, there are some good commercial crystal filters for that

frequency, should you feel inclined to use such. Second, a higher IF frequency makes it easier to get good image rejection (because of the larger separation between desired frequency and image); this may be an important factor on the higher HF bands, especially 10 meters. Finally, the 9 MHz IF was sometimes used for dual-band receiver designs covering 80 and 20 meters; a 9 MHz IF and a 5 MHz VFO will cover both bands nicely.

-----  
Date: Tue, 26 Nov 2002 17:03:10 -0700 (MST)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: Trevor Jacobs <kg6cyn@earthlink.net>  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [140944] Re: IF freq in the Yaseu Ft-817  
Message-ID: <Pine.LNX.4.44.0211261700530.1946-100000@bucket.dog>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Trever, mine is close to perfect in frequency but it is different by about 100 Hz from a friends as we talked with ssb on 446.8 or about there.

These are sure nice radios.

On Tue, 26 Nov 2002, Trevor Jacobs wrote:

> Hi Karl,  
>  
> Yes, actually the LO in the FT-817 is kinda neat. Don't have the  
> schematic in front of me this second, but I remember it uses one of the  
> Analog Devices DDS's (I think an AD9850) and a PLL chip to set the  
> frequency. I imagine that the PLL is used to clean up any unwanted spurs  
> from the DDS output. Mine is pretty much right on frequency after I  
> incorporated the TCXO which is the ref frequency for the system. I did  
> notice a bit of drift with the stock oscillator board, but not terrible.  
> Also, when the FT-817 came out, they had a bad run of oscillator boards  
> that were off frequency. There was a fix to this, you had to replace one  
> of the caps and re-align it. The only alignment for the FT-817  
> (according to the techs at Yaesu) is getting the oscillator on  
> frequency. You may give them a call if yours is off.  
>  
> 73's Trev KG6CYN  
> <http://home.earthlink.net/~kg6cyn>  
> <http://www.qsl.net/kg6cyn>  
>  
>

>  
> ----- Original Message -----  
> From: Karl F. Larsen <k5di@zianet.com>  
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
> Sent: Tuesday, November 26, 2002 11:18 AM  
> Subject: IF freq in the Yaseu Ft-817  
>  
>  
> >  
> > This radio recives and transmits on everything from 0.5 MHz to  
> > 450 MHz. It's very stable but frequency accuracy is sometimes bad.  
> > There  
> > is one crystal that defines the frequency accuracy on ALL those  
> > frequencies.  
> >  
> > The huge bandwidth is acheived with many phase locked  
> > oscillators that generate a frequency to drive the transmitter and the  
> > receiver local oscillator that result in both being on the same  
> > frequency.  
> >  
> > There are special circuits that allow the nice features of the  
> > radio to exist.  
> >  
> > When I look at the schematic of this radio and then of my SMK-1  
> > it's apparent that making a radio that operates on a single frequency  
> > is  
> > a lot simpler.  
> >  
> > The Yaesu has one tricky feature that looks good. In the phase  
> > lock loop area they use a low frequency modulated power that causes  
> > the  
> > loop lock frequency to vary at this frequency rather than generate  
> > high  
> > frequency noise. The ARRL measured this radio to have quite low phase  
> > noise.  
> >  
>  
>  
>

-----  
Date: Tue, 26 Nov 2002 20:00:30 -0500  
From: Dave Richards <wr3i@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>,  
k5di@zianet.com  
Subject: [140945] Re: IF freq in the Yaseu Ft-817  
Message-ID: <PJ07B906E0YX8A71YB6HDZXJGV4.3de4192e@Home4>

MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"

Hmmm! a Bit high in the band for ssb?  
Dave

11/26/2002 7:03:10 PM, "Karl F. Larsen" <k5di@zianet.com> wrote:

>  
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>> 73's Trev KG6CYN  
>> <http://home.earthlink.net/~kg6cyn>  
>> <http://www.qsl.net/kg6cyn>  
>>  
>>  
>>  
>> ----- Original Message -----  
>> From: Karl F. Larsen <k5di@zianet.com>  
>> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
>> Sent: Tuesday, November 26, 2002 11:18 AM  
>> Subject: IF freq in the Yaseu Ft-817  
>>  
>>  
>> >  
>> > This radio recives and transmits on everything from 0.5 MHz to  
>> > 450 MHz. It's very stable but frequency accuracy is sometimes bad.

>> There  
>> > is one crystal that defines the frequency accuracy on ALL those  
>> > frequencies.  
>> >  
>> > The huge bandwidth is achieved with many phase locked  
>> > oscillators that generate a frequency to drive the transmitter and the  
>> > receiver local oscillator that result in both being on the same  
>> > frequency.  
>> >  
>> > There are special circuits that allow the nice features of the  
>> > radio to exist.  
>> >  
>> > When I look at the schematic of this radio and then of my SMK-1  
>> > it's apparent that making a radio that operates on a single frequency  
>> is  
>> > a lot simpler.  
>> >  
>> > The Yaesu has one tricky feature that looks good. In the phase  
>> > lock loop area they use a low frequency modulated power that causes  
>> the  
>> > loop lock frequency to vary at this frequency rather than generate  
>> high  
>> > frequency noise. The ARRL measured this radio to have quite low phase  
>> > noise.  
>> >  
>>  
>>  
>  
>

-----  
Date: Tue, 26 Nov 2002 20:13:53 -0500  
From: "Jim Kortge, K8IQY" <jokortge@prodigy.net>  
To: kory@avatar.com  
Cc: qrp-1@lehigh.edu  
Subject: [140946] Re: OT: 24 VDC to 5 VDC  
Message-ID: <5.1.0.14.1.20021126200722.00a74590@pop.prodigy.yahoo.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 02:59 PM 11/26/02 -0800, Kory, AC6RN wrote:

>Hi Guys,

>  
>This is not ham related but electronics -- I thought maybe the list members  
>can give me some pointers. I am powering a stepper motor driver which needs  
>24 VDC and also 5 VDC (+/- 5%) @ 100 milliamps. My power supply only has a  
>24 VDC output, so somehow I need to come up with a simple 5V source. Now, I  
>know I can drive a 7805 directly from the 24 volt supply, but it will  
>generate a lot of heat. I was told I would need a large heat sink and  
>possibly some airflow to make it work.  
>  
>The 7805 data sheet suggests putting a resistor in series with the input  
>side of the 7805, but it does not suggest any values.  
>  
>Does anyone have any clever ideas on how I can do this

You could use one of the PWM ICs that are available, or a step  
down charge pump IC.

> or can suggest  
>starting values for the resistor?

Use ohms law,  $E/I = R$ . Pick a reasonable voltage level to feed the  
7805, say 8 volts. That means we need to drop 16 volts from  
the 24 volt supply, while running 100 ma, or 0.1 amp. Divide  
voltage by current to get resistance e.g.  $16/0.1 = 160$  ohms.

The power disipated by the resistor is  $P = E \times I$ , so multiply  
16 times 0.1 amp for 1.6 watts of power disipated. So use a  
160 ohm resistor of 3 to 5 watts in size to make sure the resistor  
doesn't melt from excessive heat.

72,

Jim, K8IQY

-----  
Date: Tue, 26 Nov 2002 19:18:31 -0600  
From: Nick Kennedy <nkennedy@tcainternet.com>  
To: "'faunt@panix.com'" <faunt@panix.com>,  
Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [140947] RE: Physical to electrical characteristics of air-wound coils  
Message-ID: <01C29580.9C4C6500.nkennedy@tcainternet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

For an air wound solenoid,

$$uH = (d^2 \cdot n^2) / (18d + 40L), \text{ where}$$

d is the diameter of the coil in inches,

L is the coil length in inches

n is the number of turns.

>From the Handbook.

So you can see it's not a direct relationship at all, you just about need to plug in some numbers and compare.

72--Nick, WA5BDU

On Tuesday, November 26, 2002 1:27 PM, Doug Faunt N6TQS +1-510-655-8604 [SMTP:faunt@panix.com] wrote:

> Hello,

>

> I'm sure this is in my references somewhere, but I can't seem to

> locate the information.

>

> For changes to a given air-wound coil:

> does a larger diameter increase or decrease inductance?

> does spreading it out increase or decrease inductance?

>

> And at what rate?

>

> 73, doug

>

-----

Date: Tue, 26 Nov 2002 18:09:54 -0700 (MST)

From: "Karl F. Larsen" <k5di@zianet.com>

To: Dave Richards <wr3i@earthlink.net>

Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>

Subject: [140948] Re: arrl.net situation

Message-ID: <Pine.LNX.4.44.0211261808420.2186-100000@bucket.dog>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

If you look at my old message you see my name and in <> my e-mail address.

On Tue, 26 Nov 2002, Dave Richards wrote:

> Who do you use as an internet provider Karl????

> Dave

>

> 11/26/2002 6:17:08 PM, "Karl F. Larsen" <k5di@zianet.com> wrote:

>

> >

> >What pry tell does the ARRL have to do with Hotmail/MSM and Juno? I like  
> >the arrl.net reflector and it works fine on my server.

> >

> >If you feel you MUST use hotmail/msn or juno expect a lot of things to  
> >not work and the reflector is one.

> >

> >On Tue, 26 Nov 2002, Big McLargeHuge wrote:

> >

> >> Here's the news release. From what I understand, the ARRL didn't stop  
> >> sending to Hotmail and Juno, Hotmail and Juno stopped accepting from ARRL.

> >>

> >> So this isn't a day to applaud the leauge, it's a day to scratch your head  
> >> and go "HUH?" :^)

> >>

> >> -----

> >>

> >> <http://www.arrl.org/news/stories/2002/11/25/101/?nc=1>

> >>

> >>

> >>

> >> ARRL.NET Traffic Blocked by Hotmail and Juno

> >>

> >> NEWINGTON, CT, Nov 25, 2002--Hotmail.com and Juno.com notified ARRL  
> >> headquarters today that they have stopped accepting e-mail messages  
> >> forwarded to users of their services from the arrl.net e-mail forwarding  
> >> server. Almost 6,000 ARRL members are affected by this action.

> >>

> >> According to representatives of the two companies, this is, in part, their  
> >> solution to the Internet-wide problem of spam. The ARRL, through the vendor  
> >> for the arrl.net server, is currently working with both of these companies  
> >> to resolve this matter, but an immediate solution does not appear to be  
> >> imminent. Until the matter is resolved, the League cannot deliver e-mail  
> >> through the arrl.net server to users of the Hotmail or Juno e-mail services.

> >>

> >> ARRL apologizes for the inconvenience created by their decision and will  
> >> keep you apprised of progress in the matter.

> >>

> >> -----

> >>



> >>  
> >  
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>  
>  
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>

-----  
Date: Tue, 26 Nov 2002 19:26:49 -0600  
From: Nick Kennedy <nkennedy@tcainternet.com>  
To: "'kory@avatar.com'" <kory@avatar.com>,  
Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [140949] RE: 24 VDC to 5 VDC  
Message-ID: <01C29581.C4D7EC00.nkennedy@tcainternet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

I've tried series resistors to reduce dissipation in power supplies before, and it can be tricky, depending on the duty cycle.

If you have 1 amp average current and want to drop 5 volts, then 5 ohms, right? But if you have a pulsing load that sometimes draws 5 amps, you've dropped 25 volts and your regulator has dropped clean out of sight.

Steppers probably fall into this category (big peaks).

Perhaps a capacitor on the load side of the resistor, to maintain a minimum value. But that will only work if your duty cycle is somewhat predictable, I'd imagine.

How about a zener in series with the unregulated side of the 7805? That way, you drop a mostly constant voltage without regard to duty cycle pulsing. Maybe a 15 volt zener. If you are drawing 100 ma average, it needs to be rated greater than 1.5 watts.

Starting value for the resistor? Assuming that the 7805 needs 3 volts of headroom,  $R = (24 - 8)/I_{peak}$ .

72--Nick, WA5BDU

On Tuesday, November 26, 2002 5:00 PM, Kory Hamzeh [SMTP:kory@avatar.com] wrote:

>  
> Hi Guys,  
>  
> This is not ham related but electronics -- I thought maybe the list  
members  
> can give me some pointers. I am powering a stepper motor driver which  
needs  
> 24 VDC and also 5 VDC (+/- 5%) @ 100 milliamps. My power supply only has  
a  
> 24 VDC output, so somehow I need to come up with a simple 5V source. Now,  
I  
> know I can drive a 7805 directly from the 24 volt supply, but it will  
> generate a lot of heat. I was told I would need a large heat sink and  
> possibly some airflow to make it work.  
>  
> The 7805 data sheet suggests putting a resistor in series with the input  
> side of the 7805, but it does not suggest any values.  
>  
> Does anyone have any clever ideas on how I can do this or can suggest  
> starting values for the resistor?  
>  
> Thanks & 73,  
> Kory  
> AC6RN  
>

-----  
Date: Tue, 26 Nov 2002 18:11:11 -0700 (MST)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: Dave Richards <wr3i@earthlink.net>  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [140950] Re: IF freq in the Yaseu Ft-817  
Message-ID: <Pine.LNX.4.44.0211261810250.2186-100000@bucket.dog>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Around here there is nothing on this band so you just pick a freq.

On Tue, 26 Nov 2002, Dave Richards wrote:

> Hmmm! a Bit high in the band for ssb?  
> Dave  
>  
> 11/26/2002 7:03:10 PM, "Karl F. Larsen" <k5di@zianet.com> wrote:  
>

> >  
> >Hi Trever, mine is close to perfect in frequency but it is different by  
> >about 100 Hz from a friends as we talked with ssb on 446.8 or about  
> >there.  
> >  
> >These are sure nice radios.  
> >  
> >On Tue, 26 Nov 2002, Trevor Jacobs wrote:  
> >  
> >> Hi Karl,  
> >>  
> >> Yes, actually the LO in the FT-817 is kinda neat. Don't have the  
> >> schematic in front of me this second, but I remember it uses one of the  
> >> Analog Devices DDS's (I think an AD9850) and a PLL chip to set the  
> >> frequency. I imagine that the PLL is used to clean up any unwanted spurs  
> >> from the DDS output. Mine is pretty much right on frequency after I  
> >> incorporated the TCXO which is the ref frequency for the system. I did  
> >> notice a bit of drift with the stock oscillator board, but not terrible.  
> >> Also, when the FT-817 came out, they had a bad run of oscillator boards  
> >> that were off frequency. There was a fix to this, you had to replace one  
> >> of the caps and re-align it. The only alignment for the FT-817  
> >> (according to the techs at Yaesu) is getting the oscillator on  
> >> frequency. You may give them a call if yours is off.  
> >>  
> >> 73's Trev KG6CYN  
> >> <http://home.earthlink.net/~kg6cyn>  
> >> <http://www.qsl.net/kg6cyn>  
> >>  
> >>  
> >>  
> >> ----- Original Message -----  
> >> From: Karl F. Larsen <k5di@zianet.com>  
> >> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
> >> Sent: Tuesday, November 26, 2002 11:18 AM  
> >> Subject: IF freq in the Yaseu Ft-817  
> >>  
> >>  
> >> >  
> >> > This radio recives and transmits on everything from 0.5 MHz to  
> >> > 450 MHz. It's very stable but frequency accuracy is sometimes bad.  
> >> There  
> >> > is one crystal that defines the frequency accuracy on ALL those  
> >> > frequencies.  
> >> >  
> >> > The huge bandwidth is acheived with many phase locked  
> >> > oscillators that generate a frequency to drive the transmitter and the  
> >> > receiver local oscillator that result in both being on the same  
> >> > frequency.

> >> >  
> >> > There are special circuits that allow the nice features of the  
> >> > radio to exist.  
> >> >  
> >> > When I look at the schematic of this radio and then of my SMK-1  
> >> > it's apparent that making a radio that operates on a single frequency  
> >> is  
> >> > a lot simpler.  
> >> >  
> >> > The Yaesu has one tricky feature that looks good. In the phase  
> >> > lock loop area they use a low frequency modulated power that causes  
> >> the  
> >> > loop lock frequency to vary at this frequency rather than generate  
> >> high  
> >> > frequency noise. The ARRL measured this radio to have quite low phase  
> >> > noise.  
> >> >  
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>  
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>

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Date: Tue, 26 Nov 2002 19:32:17 -0600  
From: Nick Kennedy <nkennedy@tcainternet.com>  
To: "'richard\_johnson@credence.com'" <richard\_johnson@credence.com>,  
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [140951] RE: IF frequency  
Message-ID: <01C29582.88743740.nkennedy@tcainternet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Since they've both been used by knowledgeable designers, I'm not too worried about harmonic mixing. (I'm personally only familiar with the 4.9152 IF for 40 meters, though.)

The 9 MHz seems more "centrally located" if your are building an all band rig. But if you are building a single bander, look at where the VFO will end up. Probably easire to build 'em stable at lower frequencies. But too low and you'll have fun winding all the turns on the VFO tank toroid. I ended up switching from a T50 to a T68 on a recent circuit that VFO'd at

2.1 MHz, to get the inductance required.

As someone else has already pointed out, don't get the VFO too close to the IF or images will require more front end filtering.

72--Nick, WA5BDU

On Tuesday, November 26, 2002 11:29 AM, Richard Johnson  
[SMTP:richard\_johnson@credence.com] wrote:

> Oh masters of the arcane:

>

> I have been looking at all the kit and homebrew receivers i can and have  
> noticed two predominant IF frequencies, 4.915 MHz and 9.000 MHz. So  
> then what are the trade offs between them? Why one over the other.

-----  
Date: Tue, 26 Nov 2002 19:37:01 -0600  
From: "Pat J. Whelton" <pwhelton@hal-pc.org>  
To: "\"Low Power Amateur Radio Discussion\"" <qrp-l@lehigh.edu>  
Subject: [140952] OT: Mail Loading Speed  
Message-ID: <015101c295b5\$7c9a4760\$7460fea9@halpc.org>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Anyone know if there is an option in Outlook Express 6.0 that will cause your messages to load faster? The OS is Windows 98. It's acting like there is a cache that's filled up and therefore the messages are being loaded from a disk work space rather than the quicker memory work space.

I'm guessing the last time or two I went to the "Critical Update" site one of the numerous security updates must have turned a switch either on or off and it's causing the problem. I'm sure it's something pretty simple that I'm just over looking.

Thanks for the help.

Pat - KZ5J

-----  
Date: Tue, 26 Nov 2002 20:39:53 -0500  
From: "Tom Dooley" <tdooley@attbi.com>

To: <w8diz@fpqrp.com>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [140953] Re: FDIM2003  
Message-ID: <01f701c295b5\$e2ee9160\$6400a8c0@tdooleyjr>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I'm in charge! 8-)

I will be coming out with the announcement within the next couple of weeks.  
We are only 5 1/2 months away! The official dates are May 15 (FDIM  
Seminars), May 16 (Friday), May 17 (Saturday) and May 18 (Sunday).

Check out the official Dayton Hamvention webpage for updates to the other  
event scheduled at the same time as FDIM, the Dayton Hamvention.

<http://www.hamvention.org/>

At this time, I do expect that we will use the Ramada Inn, but plans are not  
final at this point.

Thanks for the questions!

73  
Tom  
K4TJD

From: "w8diz" <w8diz@fpqrp.com>

Who is in charge of FDIM-2003 ?

Some folks are trying to set their schedules  
for the big event, and we have no info yet.  
Need info on Dates, Hotel reservations etc.

-----  
Date: Tue, 26 Nov 2002 20:44:51 -0500  
From: "Tom Dooley" <tdooley@attbi.com>  
To: <brian@iquest.net>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [140954] Re: FDIM2003

Message-ID: <01fd01c295b6\$94e642a0\$6400a8c0@tdooleyjr>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Please go to the QRP-F on the QRP-ARCI web site and read/post to the discussions going on over there. I responded to the questions there earlier today and also responded to this post just a few minutes ago.

Please feel free to contact me, Tom, K4TJD @ tdooley@attbi.com if you have any questions regarding FDIM 2003.

Thanks and I look forward to seeing all of you there!

73  
Tom  
K4TJD

----- Original Message -----  
From: "brian" <brian@iquest.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Tuesday, November 26, 2002 9:52 AM  
Subject: Re: FDIM2003

Diz,

I just asked the same thing on QRP-F at the QRPARCI website.

Let me know if you hear anything, I'll do the same.

----- Original Message -----  
From: "w8diz" <w8diz@fpqrp.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Tuesday, November 26, 2002 9:36 AM  
Subject: FDIM2003

> He Gang...  
>  
> Who is in charge of FDIM-2003 ?  
>  
> Some folks are trying to set their schedules

> for the big event, and we have no info yet.  
> Need info on Dates, Hotel reservations etc.  
>  
> Inquiring minds want to know...  
>  
>  
> 72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio  
> Clermont County - EM79uf - near Cincinnati; 39:13:05N 84:18:18W  
> FP#-1 DLQRPAG-1454 ARCI-10226 ARS-781 QRPL-1998 HIqrp-400  
> <http://kitsandparts.com>  
>  
>  
>  
>

-----  
Date: Tue, 26 Nov 2002 17:48:38 -0800  
From: "Bob Tellefsen" <n6wg@earthlink.net>  
To: <qrp-1@lehigh.edu>  
Subject: [140955] Re: Awesome keyer kit  
Message-ID: <MABBJOEABOILMKCJCLFCAEFEDMAA.n6wg@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

John

Nice to know your kit went together well and performs as you hoped.

I built an earlier version of the Island Keyer, and had a terrible time finding pushbutton switches of good quality and decent price.

What switches did you use? Anybody else got a recommendation for good switches that don't cost more than the kit?

73, Bob N6WG

-----  
Date: Tue, 26 Nov 2002 19:47:25 -0600  
From: "Stuart Rohre" <rohre@arlut.utexas.edu>  
To: <qrp-1@lehigh.edu>  
Subject: [140956] Where do I get ????  
Message-ID: <000b01c295b6\$ef4b6f40\$4e100a0a@rohredt2000>



We see a lot of posts of "where do you get so and so"? One day it might be oscilloscope probes, another it might be banana plugs, and so on. The non electronics background ham faces a hurdle of finding where the test instrumentation can be found, and how to use and understand electronics circuits, troubleshoot, construct, or even design.

Even quicker than waiting around for someone to read your query and reply, is to go to one of the focused search engines like [www.google.com](http://www.google.com), which is excellent for technical searches, (much better than those built into some Browsers, or Internet providers.) There are others, but you can get inundated with links to check out!

By entering "oscilloscope probes" at Google.com, I found Contact East- a tool and probe supplier, and Tektronix, (who are very proud of their probes), and ham priced alternatives, TPI and Probemaster. I have used those latter two, and find them easier to repair than Tek probes, and about 1/4 the cost or less.

The same can be said for many of the less common tools, or components or accessories the list members might seek.

Google has never failed me if I use the right key words; if I limit the search by using the quote marks; and if I stop to think of a couple of ways to refer to what I want, and which is the most appropriate.

For example, if I had only asked for "probes" I might have gotten a listing of the planetary probes sent by Jet Propulsion Labs, the ordinary test leads for a VOM, and the desired scope probes and who knows what else.

The way for a new ham to learn what to call things is to listen to Elmers, read the ham magazines, read the Handbooks, the technical books, and the good introductory books.

For example, if electronics is new to you in general, an excellent introduction are the books by Bernard Grob, in the McGraw Hill editions and the International Editions available throughout the world. "Basic Electronics" is his classic text book which is used all the way from the Junior High level on up to College. It is that well illustrated, and clear in its explanations, that a wide variety of students find it useful.

There are others by other authors. Anything by John Lenk gives a good look at how to repair and troubleshoot various electronics circuits and systems.

None of these are my relatives or even friends, (but I have taught from their books), and they are representative of what can be found by wide reading, and going to the book departments, and especially the used book stores, where great bargains can be had.

Another thing is get on catalog lists for Mouser, Digi Key, Allied, Newark, and other distributors. Get on the Surplus Outlet catalog lists. Make up bookmarks of such web sites. Get catalogs of major components of a type you will need when you build: Capacitors of all types, discrete semiconductors, resistors, etc. You can learn a lot by paging through catalogs and looking at the illustrations. (The hard print ones are better than the web many times in this respect.)

I will bring to the list another book , which is similarly a great introduction to electronics and antennas, and other basics, and was put out in 8 editions in the 1980's. It cost me all of \$1 at Half Price Books, a great chain for both NOS and used books. It had been reduced from \$9.98, and was a buy even at that price!

For those who do not live in a bookstore town, there are a number of electronics used book locations just a google.com search away. Often, if you find a likely sounding title, you could ask the reflector if it was considered a good book to have, and you will get a variety of reviews of it.

Another resource is to make friends at local Libraries, especially college ones. They are constantly replacing worn and older books with the latest and greatest texts. Some will give you the old or extra and worn copies from their collections. Others have book sales once or more a year, and the old copies are put out to pasture there. Many librarians might look at an ARRL Handbook with its annual year date on it and consider it "old" after 5 years not realizing the basics never change, and the basics in the 1942 ARRL Handbook were the same for example, as those in the 1957 copy!

Build a technical library of your own, with Basic Electronics books, and more specialized ones as the fancy strikes you. For builders, books on metal working, electronic drafting, and even wiring practices handbooks are useful.

After awhile, you may find that some of your books are better than others you find later, and you can Elmer a new ham with a gift- an invaluable start on his own technical collection. Also, you will gain skill after awhile and be able to pick up a book at a swap, or book store and leaf through the Table of Contents, a few Chapters of your own interests, and the Index, and decide on the spot if it is a book you should have.

Those that are \$1 are probably worth taking along and checking more thoroughly, you can always resell or give them away. If the books are free, the same holds true, give them a home until you see if they should travel on, or remain with you. Books don't need batteries or the Internet to be useful!

72,

Stuart K5KVH

-----  
Date: Tue, 26 Nov 2002 20:59:46 -0500  
From: Tom and Betty Jennings <jennings@eznet.net>  
To: Tom Palmer <n1tp@swfla.rr.com>,  
Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [140957] Fox: KV2X Final Log  
Message-ID: <3DE42712.5080402@eznet.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=windows-1252; format=flowed  
Content-Transfer-Encoding: 7bit

Hounds:

Below is my final log. Thanks all for the corrections.

Hope to pass out more pelts next time.

GL in all Hunts!!

Tom, kv2x

Time	Call	RST	SPC	Name	PWR
200	N1TP	559	FL	TOM	5W
202	N4BP	559	FL	BOB	5W
203	K5AIC	559	MS	HERB	5W
203	KR5C	559	TX	GEORGE	5W
204	W5USJ	559	TX	CHUCK	5W
205	AB5XQ	559	AR	BILL	5W
205	W5YR	559	TX	GEORGE	5W
206	KK5LD	559	TX	JIM	5W
207	K5SR	559	TX	DALE	5W
208	AB9CA	559	AL	DAVE	5W
209	NQ7X	559	AZ	FLOYD	5W
210	K4GT	559	GA	JIM	5W
211	K2TER	559	NY	BILL	5W
212	W0CH	559	MO	DAVE	5W
213	VE6EX	559	AB	DAN	5W
214	K4FB	559	FL	PAUL	5W
214	K5PSH	559	TX	JERRY	5W
217	W5TB	559	TX	DOC	5W
218	N5WL	559	OK	BART	5W
219	K5EOA	559	LA	WAYNE	5W
222	AJ4AY	579	AL	JAY	5W
222	W2XN	559	FL	FRED	5W
225	K0EVZ	559	ND	DOC	5W
226	AC5JH	559	OK	TOM	5W
226	K2ZN	559	NY	AL	5W
228	K5DI	449	NM	KARL	4W
230	AA50	559	LA	VERN	5W

230	K5DW	559	TX	DON	5W	
232	N6LIF	559	TX	MARTIN	5W	
238	N5IB	559	LA	JIM	5W	
241	W3DCG	579	GA	DARIN	5W	
242	K4BYF	559	FL	JACK	3W	
243	KI0II	559	CO	RON	1W	
244	KC0GXX	559	NE	TOM	3W	
250	WR50	229	TX	DAVE	5W	
251	K5JHP	559	TX	BILL	5W	
255	AG0T	229	ND	TODD	3W	
259	N9NE/5	559	OK	TODD	5W	
301	K5FFF	559	LA	WAYNE	5W	
327	VE3FAL	559	ONT	FRED	5W	
331	AC7A	559	AZ	TOM	5W	
332	W0UFO	559	MN	MERT	5W	
338	VA6RF	559	AB	EARL	5W	
340	K3PH	559	PA	BOB	5W	
342	N5EBD	559	TX	KEN	5W	
343	AA7EQ	559	AZ	BOB	5W	
345	NM5M	339	TX	ERIC	3W	
346	N2WW	559	CO	LARRY	5W	
349	N0TK	339	CO	DAN	5W	
355	VE5RC	229	SK	BRUCE	5W	
358	VE5DC	559	SK	JERRY	5W	
400	N1FN	559		FOX		
400	KV2X	559		FOX		

-----

Date: Tue, 26 Nov 2002 20:16:00 -0600  
 From: "Winchar" <winchar@mts.net>  
 To: <qrp-l@lehigh.edu>  
 Subject: [140958] Foxy, Foxy, who's got the Foxy  
 Message-ID: <001501c295ba\$ee443ba0\$6401a8c0@leslie>  
 MIME-Version: 1.0  
 Content-Type: text/plain;  
         charset="iso-8859-1"  
 Content-Transfer-Encoding: 7bit

Barkers and Howlers, Yippers and Yappers

I'll be passing out pelts Thursday from 0200Z - 0400Z on or about 7036 kHz and I will be listening up 1 to 3 kHz. Please don't call me on my transmit frequency as I will not be listening there. If you don't have RIT or some other means of working "split" please tune off upwards as far as you can or wait till later in the hunt when I'm calling CQ multiple times.

I'll call CQ Fox or QRZ Fox DE VE4WI and when I pick out a hound I will send:

your call 559 MB Craig 5W your call

and I'll expect to hear

tu 559 your SPC your Name your power BK

I will then either send a TU or ask for fills

I will be running a K2 at 5W and a 40 meter dipole. I will also be trying a homebrew vertical.

Good luck to you all and I hope that conditions are better than last week when I was zero for two chasing pelts.

Look for K5DI as the other Fox.. Karl will be on 7041 + 1 - 3 kc.

As that ET guy said, Good luck, and may the Fox be with you!

Craig Winchar  
VE4WI  
winchar@mts.net

-----  
Date: Tue, 26 Nov 2002 21:18:29 -0500  
From: "Fran Flynn" <fflynn@adelphia.net>  
To: <qrp-1@lehigh.edu>  
Subject: [140959] RE: NA CONTEST LOGGER ....URL NEEDED..  
Message-ID: <001901c295bb\$46d21030\$9800a8c0@ce1300>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

<http://www.datomonline.com/>

>Guy's....

>Looked ALL OVER the web for last hour or so, and CANT find an actual  
>"download" of  
>the "NA" contest logger,.....can someone give me a URL that DOES HAVE  
>actually this  
>program to download on it....

-----  
Date: Tue, 26 Nov 2002 19:22:05 -0700 (MST)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: w8diz <w8diz@fpqrp.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [140960] Re: FDIM2003  
Message-ID: <Pine.LNX.4.44.0211261921180.2265-1000000@bucket.dog>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Could someone explain what "FDIM-2003" means?

On Tue, 26 Nov 2002, w8diz wrote:

> He Gang...  
>  
> Who is in charge of FDIM-2003 ?  
>  
> Some folks are trying to set their schedules  
> for the big event, and we have no info yet.  
> Need info on Dates, Hotel reservations etc.  
>  
> Inquiring minds want to know...  
>  
>  
> 72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio  
> Clermont County - EM79uf - near Cincinnati; 39:13:05N 84:18:18W  
> FP#-1 DLQRPAG-1454 ARCI-10226 ARS-781 QRPL-1998 HIqrp-400  
> <http://kitsandparts.com>  
>  
>  
>  
>

-----  
Date: Tue, 26 Nov 2002 21:22:55 -0500  
From: <normany@mindspring.com>  
To: qrp-l@lehigh.edu  
Subject: [140961] OFF TOPIC - FCC Vanity Petition  
Message-ID: <Springmail.0994.1038363775.0.01854400@webmail.atl.earthlink.net>

Gang,

This is off topic, although it is clearly related to amateur radio. If you are offended by off-topic posts, please accept my apologies for this intrusion, and if you must flame, please do so directly to me and not to this list. Likewise, if you have any questions or comments, please send them directly to me rather than the list.

Recently, Bill Edwards, K4BWC, Frank Lynch, W4FAL, and I (Norman Young, KA4PUV) filed a petition with the FCC asking that the Commission no longer allow vanity call applicants to file multiple applications for the same callsign to increase their odds of getting a particular call.

If you have followed the activity of many of the sought after 1X2 and 2X1 calls, you've probably noticed individuals filing 20 to 30 applications to increase their odds of getting a call.

In our view this is clearly unfair and counter to the original purpose of filing for a vanity call... The FCC whether intentionally or not has created a "vanity call lottery" in which the player can buy as many tickets as he or she has money to do so with.

You may agree with the current approach, or you may not, but if you care one way or the other, I'd like to ask that you file comments - either for or against - on the FCC's ECFS (Electronic Comment Filing System).

You may read the petition, as well as the comments filed by visting;

[http://gullfoss2.fcc.gov/prod/ecfs/comsrch\\_v2.cgi](http://gullfoss2.fcc.gov/prod/ecfs/comsrch_v2.cgi)

Type RM-10582 in the search field to look up. (This is case sensitive, so be sure to type "RM" and not "rm".)

After you've had a chance to review the petition, if you want to file a comment yourself, go to:

<http://www.fcc.gov/e-file/ecfs.html>

Click on "Submit a Filing" on the right hand side. When the form comes up, type in "RM-10582" and fill in the other blocks of the cover sheet as required. Then scroll down to type in a brief comment and submit.

When we filed the petition, it was noticed for comment but the notice was not immediately posted to ECFS. Accordingly, the comment period expired before we were aware that it had even begun. The Commission is not required to accept comments after the expiration of the comment period, but it may do so. Because of this, Bill, Frank, and I are taking the somewhat unusual step of disseminating this via email lists to which we belong.

If this is a matter of interest to you, please weigh in with the FCC. If not,

please delete the message and move on.

73 es 72,  
Norman

-----  
Date: Tue, 26 Nov 2002 21:27:13 -0500  
From: "Ron Polityka" <wb3aal@fast.net>  
To: ". QRP-L" <qrp-l@lehigh.edu>, ". NJ QRP-L" <njqrp@njqrp.org>  
Subject: [140962] Fw: Geomagnetic Storm Warning: Nov. 26-27, 2002  
Message-ID: <001001c295bc\$7fdc00b0\$17635cd1@wb3aal>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Space Weather News for Nov. 27, 2002, 0000 UT  
<http://www.spaceweather.com>

A solar coronal mass ejection (CME) swept past Earth at approximately 21:50 UT (4:50 p.m. EST) on Tuesday, Nov. 26th, and triggered an ongoing geomagnetic storm. When the CME arrived, the interplanetary magnetic field near Earth tilted south--a condition that favors Northern Lights. Sky watchers in northern Europe, Canada and northern US states (where night is falling as the geomagnetic storm intensifies) should therefore be alert for auroras. Visit [SpaceWeather.com](http://SpaceWeather.com) for more information and updates.

-----  
Date: Tue, 26 Nov 2002 21:34:33 -0500  
From: "John J. McDonough" <wb8rcr@arrl.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Cc: <k5di@zianet.com>  
Subject: [140963] Re: FDIM2003  
Message-ID: <034301c295bd\$86401760\$010044c0@chartermi.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit



It's a funny way of spelling Dayton, which is a town in Ohio.

Each May, a bunch of QRP crazed hams converge on a run-down Ramada Inn on the outskirts of town, hang antennas out the windows, drink a lot, and talk a lot of weird technical mumbo-jumbo. They do this for four days, then scatter back to all corners of the globe, thus, Four Days In May or FDIM.

72/73 de WB8RCR      <http://www.qsl.net/wb8rcr>  
didileydadidah      QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "Karl F. Larsen" <k5di@zianet.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Tuesday, November 26, 2002 9:22 PM  
Subject: Re: FDIM2003

>  
> Could someone explain what "FDIM-2003" means?  
>  
>  
> On Tue, 26 Nov 2002, w8diz wrote:  
>  
> > He Gang...  
> >  
> > Who is in charge of FDIM-2003 ?  
> >  
> > Some folks are trying to set their schedules  
> > for the big event, and we have no info yet.  
> > Need info on Dates, Hotel reservations etc.  
> >  
> > Inquiring minds want to know...  
> >  
> >  
> > 72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio  
> > Clermont County - EM79uf - near Cincinnati; 39:13:05N 84:18:18W  
> > FP#-1 DLQRPAG-1454 ARCI-10226 ARS-781 QRPL-1998 HIqrp-400  
> > <http://kitsandparts.com>  
> >  
> >  
> >  
> >  
> >  
>

-----

Date: Tue, 26 Nov 2002 21:44:25 -0500

```
* John J. McDonough <wb8rcr@arrl.net> [2002-11-26 21:39]:
>
> Each May, a bunch of QRP crazed hams converge on a run-down Ramada Inn on
>                                     ^^^^^^^^^
make that, an EXTREMELY run-down Ramada Inn...

:-)
```

-----

There will be no CW net this week for the New England QRP Club. Hope everyone has a happy and safe Thanksgiving holiday.

AB8DF	Ed	Waterford, MI	559
WA8BXN	Mike	Near Cleveland	579
K1RC	John	Dracut, MA	599
K1YPP	Dennis	Hampstead, NH	579

72 DE K1CL,  
Chuck



WA4EMR  
Sterling Heights, MI

At 09:27 PM 11/26/02 -0500, Ron Polityka wrote:

>Space Weather News for Nov. 27, 2002, 0000 UT

><http://www.spaceweather.com>

>

>A solar coronal mass ejection (CME) swept past Earth at approximately  
>21:50 UT (4:50 p.m. EST) on Tuesday, Nov. 26th, and triggered an ongoing  
>geomagnetic storm. When the CME arrived, the interplanetary magnetic field  
>near Earth tilted south--a condition that favors Northern Lights. Sky  
>watchers in northern Europe, Canada and northern US states (where night is  
>falling as the geomagnetic storm intensifies) should therefore be alert  
>for auroras. Visit SpaceWeather.com for more information and updates.

>

>

>

>

-----  
Date: Tue, 26 Nov 2002 19:10:36 -0800  
From: Randy Foltz <[rfoltz@turbonet.com](mailto:rfoltz@turbonet.com)>  
To: [qrpl\\_post](mailto:qrpl_post@lehigh.edu) <[qrpl\\_post@lehigh.edu](mailto:qrpl_post@lehigh.edu)>  
Subject: [140968] Holiday Spirits Homebrew Sprint  
Message-ID: <3DE437AC.B73A07A7@turbonet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=iso-8859-1  
Content-Transfer-Encoding: 8bit

Now that you've recovered from CQWW it is time to get ready  
for the leadoff of the upcoming 3 QRP contests for next  
week. The first is the QRP ARCI Holiday Spirits Homebrew  
Sprint. It will be on Sunday December 1 from 2000 Z to 2400  
Z.

The short version:

Date: December 1, 2002, 2000 Z through 2400 Z. CW only.

How to participate: Get on any of the HF bands except the  
WARC bands and hang out near the QRP frequencies of 3560,  
7040, 14060, 21060 and 28060 kHz. Work as many stations  
calling CQ QRP or CQ TST as possible, or call CQ QRP or CQ  
TST yourself. You can work a station again on a different  
band.

What to send: Give a signal report and your state (for Americans), province (for Canadians), or country (for everyone else), and QRP ARCI member number if you have one, or your power if you don't have one.

Best reason to participate: You can pickup needed states for 2x QRP WAS in one afternoon.

Relative challenge: Easy for all. (Slower code speeds, short duration, good number of participants, QRP only contest).

Scoring: Standard QRP ARCI method for CW contests

Web link: <http://personal.palouse.net/rfoltz/holspr.htm>

-----

Here are the details (long version).

Date/Time: December 1, 2002, 2000 Z through 2400 Z. CW only.

Exchange: Member - RST, State/Province/Country, ARCI number  
Non-member - RST, State/Province/Country, power out

QSO Points: Member = 5 points, non-member, different continent = 4 points, non-member, same continent = 2 pts.

Multiplier: SPC (State/Province/Country) total for all bands. The same station may be worked on more than one band for QSO points and SPC credit.

Power Multiplier:

0 to 250 mW = 15

greater than 250 mW to 1 W = 10

greater than 1 W to 5 W = 7

greater than 5 W = 1

Highest power used will determine the power multiplier.

Bonus points for homebrew gear (per band!!): add 2,000 points for using HB transmitter, add 3,000 for using HB receiver, or add 5,000 for using HB transceiver. If you built it, it is homebrew!

Suggested frequencies are the usual QRP ones with just a bit of spreading out.

Score: Points (total for all bands ) X SPCs (total for all

bands) X Power Multiplier + Bonus Points.

Entry includes a copy of logs and summary sheet. Compete in All-band, Single-, High-, or Low-band. Get the entry to me within 30 days of the contest date. Send them either e-mail or

Randy Foltz  
809 Leith St  
Moscow, ID 83843

After the contest send your Claimed Score by visiting  
<http://personal.palouse.net/rfoltz/arci/form.htm> Check the  
claimed scores for 2 weeks at  
<http://personal.palouse.net/rfoltz/arci/highclm.htm>

See you on the air.

--  
73,  
Randy, K7TQ  
Moscow, ID  
QRP ARCI Contest Chairman

-----  
Date: Tue, 26 Nov 2002 22:23:52 -0500  
From: "Tom Dooley" <tdooley@attbi.com>  
To: <k5di@zianet.com>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [140969] Re: FDIM2003  
Message-ID: <02b901c295c4\$6a692700\$6400a8c0@tdooleyjr>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Karl,

Please go to the QRP-ARCI web pages, under the FDIM links for a full explanation of the FDIM events. Try the following link:

<http://www.qrparci.org/fdim64.html>

This link talks about the 2002 event, plus has some history. The 2003 event information will be posted in the next couple of weeks.

Briefly, FDIM is the QRP experience at the Dayton Hamvention. We added an

additional day to the three days of the Dayton Hamvention to concentrate on the QRP side of Ham Radio. We have a full day of seminars on Thursday and leave the days free (Friday, Saturday and Sunday) for you to wonder around the Hamvention. Evenings are chocked full of QRP socials and events at the home QRP hotel.

So, based on the above, we would like to invite everyone to come and enjoy FDIM 2003, which is about us, QRP.

More to come.....

73  
Tom  
K4TJD

----- Original Message -----

From: "Karl F. Larsen" <k5di@zianet.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Tuesday, November 26, 2002 21:22 PM  
Subject: Re: FDIM2003

Could someone explain what "FDIM-2003" means?

On Tue, 26 Nov 2002, w8diz wrote:

> He Gang...  
>  
> Who is in charge of FDIM-2003 ?  
>  
> Some folks are trying to set their schedules  
> for the big event, and we have no info yet.  
> Need info on Dates, Hotel reservations etc.  
>  
> Inquiring minds want to know...  
>  
>  
> 72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio  
> Clermont County - EM79uf - near Cincinnati; 39:13:05N 84:18:18W  
> FP#-1 DLQRPAG-1454 ARCI-10226 ARS-781 QRPL-1998 HIqrp-400  
> <http://kitsandparts.com>  
>  
>

>  
>

-----  
Date: Tue, 26 Nov 2002 20:25:03 -0800 (PST)  
From: Steve Holloway <wsholloway1@yahoo.com>  
To: qrp-1@lehigh.edu  
Subject: [140970] Dan's Small Parts Manhattan Pads  
Message-ID: <20021127042503.36003.qmail@web12805.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

I purchased a package about 2 years ago and they are mostly rectangular 2mm X 6mm. There were about 30 circular pads included in the 500. I wanted circular pads so I bought the punch from Harbor Freight. I am building the Side Kick now and cut the pads for it with a pair of straight cutters. I got a set of three left curve, right curve and straight from Harbor Freight last year on sale for \$9.99. I have also had success making pads with my wire stripper/cutter. I hope this helps.  
72, Steve KE4JZG

-----  
Do you Yahoo!?  
Yahoo! Mail Plus - Powerful. Affordable. Sign up now.  
<http://mailplus.yahoo.com>

-----  
Date: Tue, 26 Nov 2002 23:24:44 -0500  
From: "Larry Makoski" <Makos327@worldnet.att.net>  
To: <k5di@zianet.com>,  
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [140971] Re: FDIM2003  
Message-ID: <001301c295cc\$ea8b9b40\$fd51590c@Makoski>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Four Days in May - QRP events that take place during the Dayton Hamvention - if I'm not mistaken!



Larry W2LJ

----- Original Message -----

From: "Karl F. Larsen" <k5di@zianet.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Tuesday, November 26, 2002 21:22

Subject: Re: FDIM2003

>  
> Could someone explain what "FDIM-2003" means?  
>  
>  
> On Tue, 26 Nov 2002, w8diz wrote:  
>  
> > He Gang...  
> >  
> > Who is in charge of FDIM-2003 ?  
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> > Some folks are trying to set their schedules  
> > for the big event, and we have no info yet.  
> > Need info on Dates, Hotel reservations etc.  
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> > Inquiring minds want to know...  
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> >  
> > 72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio  
> > Clermont County - EM79uf - near Cincinnati; 39:13:05N 84:18:18W  
> > FP#-1 DLQRPAG-1454 ARCI-10226 ARS-781 QRPL-1998 HIqrp-400  
> > <http://kitsandparts.com>  
> >  
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> >  
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> >  
>  
>

-----  
Date: Tue, 26 Nov 2002 23:29:46 -0500

From: Dennis Blanchard <k1lypp@yahoo.com>

To: qrp-1@lehigh.edu

Subject: [140972] Re: The 160 M Marconi antenna and WEB info.

Message-ID: <3DE44A3A.10000006@yahoo.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii; format=flowed

Content-Transfer-Encoding: 7bit

Hi Folks:

This is almost becoming a situation comedy. I wrote recently that I had made repairs to the Marconi Antenna web site, only to find out from many of you that I had indeed NOT fixed it. The short story is: it is now fixed and it should be working at:

<http://home.attbi.com/~fuzzbeast>

Click on the Marconi antenna link.

For those that are interested, here is a lengthy explanation of what happened:

When I first posted the antenna info, I did something I had never tried before. I'd been doing web site stuff for our defunct business for close to ten years, but I had always done it by writing the source code. That may seem a bit archaic in this day and age, but it is what I was familiar with. I had the Marconi information in a MSWord document, and I was told that it was a simple matter to let Word do the conversion to HTML. That sounded reasonable enough and I tried it and it did seem to generate the \*.htm file as needed.

When I write HTML code, I always check it with both Netscape and IE. Unfortunately, it was late and I figured "Gee, what could go wrong?". Well, Murphy writes code. It turns out the MSOffice 2000 Word converter for HTML has a bug in it that needs a patch. After numerous individuals from this list wrote me and told me that the IE version was broken, I took a look, and they were correct. Interestingly, all the Netscape users were perfectly happy with their view of the page, and some versions of IE worked as well. I traced down the patch for Word, applied it on my computer and generated the new \*.htm file. I checked it with both browsers, posted it, and all was well.

It turned out one graphic was missing, so I figured I would fix it. I fired up my daughters computer (don't ask why!) and proceeded to fix the image problem and then generated the new \*.htm file, posted it, and went to bed. Aha, you say, you didn't double check things...you're right. Sure enough, I forgot to do the MS 2000 patch on my daughters computer, so the whole vicious cycle started over. Boy, did I get mail after my second posting telling the world it was fixed! I received all sorts of suggestions, some friendly, some ummmm, not so friendly. I read them today at work and it hit me what happened. When I got home tonight I fixed it AGAIN, hopefully for the last time.

Sorry for the confusion and hopefully this time all is well and many folks can try this antenna, it really is a work horse. At some time

later I'll put up the info for other bands, such as 80M, but first I'll let the smoke clear! I've never had this much trouble with CW, that code never fails me!

Thanks to all for the help and sorry to take up so much time on a dumb mistake on my part.

Have a good Holiday everyone (at least here in the US).

72'

Dennis, K1YPP

-----  
Date: Tue, 26 Nov 2002 23:22:58 -0600  
From: "Tim, N9PUZ" <n9puz@arrl.net>  
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [140973] Re: FDIM2003  
Message-ID: <200211270617.AAA10808@steel.eosinc.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: quoted-printable

On Tue, 26 Nov 2002 20:53:03 -0600, Rob Matherly wrote:  
>On Tuesday 26 November 2002 08:44 pm, some not-so-anonymous soul=  
by  
>the name of Jeffrey Davis wrote:  
>  
>| make that, an EXTREMELY run-down Ramada Inn...

Maybe we could raise money for some worthwhile cause by placing=  
bets on which days there will be hot water and room service.

Tim, N9PUZ  
<http://www.qsl.net/n9puz>

-----  
Date: Wed, 27 Nov 2002 00:31:27 -0500  
From: "Dave Richards" <wr3i@earthlink.net>  
To: <k1ypp@yahoo.com>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [140974] RE: The 160 M Marconi antenna and WEB info.  
Message-ID: <FAEEKPCBNNDNKMGPIBKGEHNCJAA.wr3i@earthlink.net>  
MIME-Version: 1.0

Content-Type: text/plain;  
charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Dennis I don't understand! I down loaded the wonderful article the first time you mentioned it  
And I must say it was worth its weight in gold  
Thanks  
Dave  
W1QB

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of  
Dennis Blanchard  
Sent: Tuesday, November 26, 2002 11:30 PM  
To: Low Power Amateur Radio Discussion  
Subject: Re: The 160 M Marconi antenna and WEB info.

Hi Folks:

This is almost becoming a situation comedy. I wrote recently that I had made repairs to the Marconi Antenna web site, only to find out from many of you that I had indeed NOT fixed it. The short story is: it is now fixed and it should be working at:

<http://home.attbi.com/~fuzzbeast>

Click on the Marconi antenna link.

For those that are interested, here is a lengthy explanation of what happened:

When I first posted the antenna info, I did something I had never tried before. I'd been doing web site stuff for our defunct business for close to ten years, but I had always done it by writing the source code. That may seem a bit archaic in this day and age, but it is what I was familiar with. I had the Marconi information in a MSWord document, and I was told that it was a simple matter to let Word do the conversion to HTML. That sounded reasonable enough and I tried it and it did seem to generate the \*.htm file as needed.

When I write HTML code, I always check it with both Netscape and IE. Unfortunately, it was late and I figured "Gee, what could go wrong?". Well, Murphy writes code. It turns out the MSOffice 2000 Word converter for HTML has a bug in it that needs a patch. After numerous individuals from this list wrote me and told me that the IE version was broken, I took a look, and they were correct. Interestingly, all the Netscape

users were perfectly happy with their view of the page, and some versions of IE worked as well. I traced down the patch for Word, applied it on my computer and generated the new \*.htm file. I checked it with both browsers, posted it, and all was well.

It turned out one graphic was missing, so I figured I would fix it. I fired up my daughters computer (don't ask why!) and proceeded to fix the image problem and then generated the new \*.htm file, posted it, and went to bed. Aha, you say, you didn't double check things...you're right. Sure enough, I forgot to do the MS 2000 patch on my daughters computer, so the whole vicious cycle started over. Boy, did I get mail after my second posting telling the world it was fixed! I received all sorts of suggestions, some friendly, some ummmm, not so friendly. I read them today at work and it hit me what happened. When I got home tonight I fixed it AGAIN, hopefully for the last time.

Sorry for the confusion and hopefully this time all is well and many folks can try this antenna, it really is a work horse. At some time later I'll put up the info for other bands, such as 80M, but first I'll let the smoke clear! I've never had this much trouble with CW, that code never fails me!

Thanks to all for the help and sorry to take up so much time on a dumb mistake on my part.

Have a good Holiday everyone (at least here in the US).

72'

Dennis, K1YPP

-----  
Date: Tue, 26 Nov 2002 23:20:57 -0800  
From: Rhett Isley <risley@ipass.net>  
To: qrp-l@lehigh.edu  
Subject: [140975] FS: QRP Related Items For Sale  
Message-ID: <3DE47259.6040801@ipass.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

All equipment in excellent working, excellent physical condition except the Item#4 which is in good physical, excellent working condition.  
Please contact me with any questions at risley@ipass.net.

\*\*\*\*\*  
\*\*\*\*\*

Item# 1

Elecraft K2/100 S/N 0286 includes:

K2- 160-10 meter SSB/CW transceiver

KPA100- 100 Watt amplifier module

KSB2- SSB adapter

K160RX- 160 meter and 2nd antenna option

KNB2- Noise Blanker

KAF2- Audio Filter

MH2- Heil mobile microphone built especially for Elecraft, Color:Black

Complete manual set.

Not installed in the radio but built and ready to install at a moments notice is a top cover with KBT2- Batter Option and KAT2- Automatic Antenna Tuner included.

This radio was originally a low power unit with the KPA100 added. All of this for less than the price of the unbuilt kit. Assembled, aligned, and fully operational with all of the current updates thru 1/1/2002.

Price \$1100.00 shipped

\*\*\*\*\*

Item# 2

SGC SG-2020ADSP 160-10 meter SSB/CW transceiver w/Adaptive DSP includes:

#05-02 SG-2020ADSP radio, General Coverage Receive

Dynamic hand mic

Manual

Original Box

Price \$550.00 shipped

\*\*\*\*\*

Item# 3

Kenwood TR-9130 2 Meter SSB/FM/CW 25 watt radio includes:

MC-46 Touchtone mic

BO-9A Base

SP-120 Speaker

Manual

Price \$200.00 shipped

\*\*\*\*\*

Thanks for reading!

72 de Rhett, KB4HG/7  
Everett, WA  
risley@ipass.net

-----  
Date: Tue, 26 Nov 2002 23:55:10 -0800  
From: "Trevor Jacobs" <kg6cyn@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [140976] Camping For Thanksgiving...and some QRP too ;-)  
Message-ID: <009301c295ea\$4fdf10e0\$4a0cf4d8@tjacobs>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Gang,

Just got the '76 K5 Blazer out of the shop today just in time to go camping for 5 days in Joshua Tree National Park. Had some front end work done that I'd been putting off and had the radiator replaced. This is a great truck for hitting the bush for a little portable radio fun!

I'm taking 2 rigs, the FT-817 and the DSW-40. The antenna will be my 100' CFZ up about 60' hung as an inverted vee if we get the camp site we want. It'll be supported 20' above a 40' rocky hill above the camp site. It's kinda like a big rock, and fun to climb. Thanks to Rod N0RC I've got a Black Widow fishing pole that will act as support. This has been a great spot in the past, so I'm sure it'll be great as long as the bands are cooperating.

Will be looking for the 2 FOXII on Thursday evening, and it should actually be easier at the camp site than from home, as the noise level is way down. The desert is a super place to operate from this time of year. Not too too hot in the day, but it can get pretty chilly at night.

I'll submit a report on operating when I return. If you need this grid

or county, look for me during the day on 10 15 and 20 meters, and on 40 and 80 at night. The first two days it'll only be me and the YL's brother, so will be able to get in plenty of air time weather and band condx permitting.

Hope you all have a very Happy Thanksgiving and for those in the FOXII Hunt, don't eat too much turkey, or you may find yourself asleep at the key Hi!

Take care...

73's Trev KG6CYN  
<http://home.earthlink.net/~kg6cyn>  
<http://www.qsl.net/kg6cyn>

Date: Wed, 27 Nov 2002 00:06:02 -0800  
From: Robert Honan <robertus@harbornet.com>  
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [140977] Re: FDIM2003  
Message-ID: <3DE47CEA.6439EA11@harbornet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Trust me, I doubt it could be worse than the accommodations that I had for Dayton this past year. I was in town on a business trip, purely coincidental, and the company was putting me up at the Dryden Holiday Inn. The Dryden was severely run down, but the worse part was it was just down wind from a waste treatment plant. If the food at the hotel didn't make you sick, the smell when you walked out the door would.

Rob Matherly wrote:

> On Tuesday 26 November 2002 08:44 pm, some not-so-anonymous soul by the name  
> of Jeffrey Davis wrote:

```
>
> | make that, an EXTREMELY run-down Ramada Inn...
```

```
>  
> And if it ain't run down when you all get there, it will be when you all  
> leave :^)
```

[illegible]

> 72-73-00



> (W)(0)(J)(R)(M)  
> Rob Matherly - Plano, Iowa - EN301s  
> <http://www.qsl.net/w0jrm>  
> AIM-w0jrm; ICQ-114690148; Y!-w0jrm  
> ARRL -- FPqrp -330 -- IA QRP #143  
> SOC #497 -- QRPP-I #19

--

Robert J. Honan KD7QLJ <kd7qlj@arrl.net>

~~~~~  
There are 10 types of people in the world:  
those that understand binary, and those that don't.

-----  
Date: Wed, 27 Nov 2002 06:12:23 -0500 (EST)  
From: Thom LaCosta <baltimoremd@baltimoremd.com>  
To: Alex <kr1st@amsat.org>  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [140978] Re: OT! Re: ARRL forwarding email....not  
Message-ID: <20021127061127.A62693-100000@unix1.vhost.min.net>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 26 Nov 2002, Alex wrote:

>  
> Perhaps the new Information Awareness Office at the Pentagon could offer  
> such a service, too. Heck, if they are already checking my email, they  
> might as well help me out there. Especially when I'm paying for it  
> through taxes. :)

And, you know that by using their "services", you'd have a backup of all  
your messages (g).

Thom

baltimoremd@baltimoremd.com  
<http://www.baltimoremd.com/>  
<http://www.baltimorehon.com/>  
<http://www.zerobeat.net>  
<http://www.tlchost.net>

Thom LaCosta K3HRN Webmaster  
Baltimore's Home Page  
Home of the Baltimore Lexicon  
Home of The QRP Web Ring and DrakeList  
Web Hosting as low as \$3.49/month

-----

Date: Wed, 27 Nov 2002 06:19:04 -0500  
From: Jeffrey Davis <ke9v@comcast.net>  
To: "Tim, N9PUZ" <n9puz@arrl.net>  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [140979] Re: FDIM2003  
Message-ID: <20021127111904.GA3402@comcast.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7BIT  
Content-disposition: inline

\* Tim, N9PUZ <n9puz@arrl.net> [2002-11-27 00:35]:  
> Maybe we could raise money for some worthwhile cause by placing bets on which  
days there will be hot water and room service.

Hot water? Did YOU have hot water?

I am gonna file a complaint! :-)

--

Jeff Davis <ke9v@comcast.net>

-----

Date: Wed, 27 Nov 2002 06:50:24 -0500  
From: kwike@gdls.com  
To: k5di@zianet.com  
Cc: owner-qrp-l@lehigh.edu,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [140980] Re: FOX Looking better...  
Message-ID: <0FD9FA5572.1348521C-0N85256C7E.0040EA8A@gdls.com>  
MIME-Version: 1.0  
Content-type: text/plain; charset=us-ascii

The conditions on 80 meters last night were very good. We had 9 check ins  
from five states.

Ed AB8DF

-----

Date: Wed, 27 Nov 2002 07:35:28 -0500  
From: Sam Smith <sam.smith@ece.gatech.edu>  
To: qrp-l@lehigh.edu  
Subject: [140981] Re: ARRL forwarding email....not  
Message-ID: <3DE4BC10.5010905@ece.gatech.edu>

MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

I think the problem is that spammers have figured out they can generate thousands of valid email addresses by just using callsign@arrl.net. It's trivial to generate the callsigns. If you are getting flooded with spam from arrl.net, then you cutoff arrl.net.

Sam N4MAP  
(no longer using arrl.net!)

-----  
Date: Wed, 27 Nov 2002 07:39:31 -0500  
From: Alex <kr1st@amsat.org>  
To: baltimoremd@baltimoremd.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [140982] Re: OT! Re: ARRL forwarding email....not  
Message-ID: <3DE4BD03.3FC6F151@amsat.org>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

TThom LaCosta wrote:

> And, you know that by using their "services", you'd have a backup of all  
> your messages (g).

Yeah exactly! And after the Pentagon is done with it, it has to go through Echelon at the NSA, then the Homeland Security Office wants to have a peek at it, probably some state agency has to sniff at it also, who then sells it to Radioshack.... Better send my Happy Thanksgivings for next year now.

Happy Thanksgiving!

73,  
--Alex KR1ST

-----  
Date: Wed, 27 Nov 2002 07:42:50 -0500  
From: "O'Rourke, Tim" <tiorourke@davidson.edu>  
To: <qrp-l@lehigh.edu>  
Subject: [140983] Formulas for antennas  
Message-ID: <4AE8AED63DA0244FA26B3EE309675DD4046FF050@lola.davidson.edu>

content-class: urn:content-classes:message  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

I am at work and away from my library so I need some help. What is the =  
formula for calculating electrical degrees as related to a 160 meter =  
antenna???

Tim W4YN

-----

Date: Wed, 27 Nov 2002 08:24:15 -0500  
From: Alex <kr1st@amsat.org>  
To: rohre@arlut.utexas.edu  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [140984] Re: Where do I get ????

Message-ID: <3DE4C77F.B988F212@amsat.org>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

Stuart Rohre wrote:

> We see a lot of posts of "where do you get so and so"?

> Even quicker than waiting around for someone to read your query and reply,  
> is to go to one of the focused search engines like [www.google.com](http://www.google.com), which is  
> excellent for technical searches

I agree with your whole post, however:

> I have used those latter two, and find them easier to repair than Tek probes,  
> and about 1/4 the cost or less.

That's the kind of info that people who ask such questions probably are  
really looking for I think.

There's always that invaluable bit of extra info you get when you ask  
such questions on an email list. Not only have you answered the question  
where to get the probes, you also informed the inquiring mind where they  
are cheaper and which ones are easier to fix. That's a quality answer  
which is hard to find through Google, or even in books for that matter.

The other thing is that after a while on a list like QRP-L you get to  
know the folks behind the answers you receive. That gives you an idea  
how to value an answer. I trust an answer I get from a person that I

know of that he or she knows what s/he is talking about much more than from someone I have never heard of through a search engine.

Another aspect is that you may be educating someone who didn't know yet that he or she needed to know that bit of info. For instance, I bought a 2215 scope a while ago, and have a set of Tek probes and repair kits, but I don't have a 1x probe. I don't use the scope a lot, so it had totally slipped my mind that I need to get a 1x probe. Because of your answer I'm going to check out those businesses you mentioned and probably buy me another xmas gift.

Besides, there's a nice social aspect to ask a question to a bunch of grumpy old men on a email list that I wouldn't want to miss for the world! :-)

73,  
--Alex KR1ST

-----  
Date: Wed, 27 Nov 2002 07:22:57 -0600 (CST)  
From: bob evinger <wd9eka@evinger.com>  
To: Sam Smith <sam.smith@ece.gatech.edu>  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [140985] Re: ARRL forwarding email....not  
Message-ID: <Pine.LNX.4.33.0211270720580.18536-1000000@aprs>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I too shut off my forwarding address through arrl for the same reason. The valid/spam ratio had gotten excessively high and vulgar. I did leave my ftp password in netscape set to the arrl.net though (one less place a valid email address appears to be harvested about me).

bob

On Wed, 27 Nov 2002, Sam Smith wrote:

> I think the problem is that spammers have figured out they can generate  
> thousands of valid email addresses by just using callsign@arrl.net. It's  
> trivial to generate the callsigns. If you are getting flooded with spam  
> from arrl.net, then you cutoff arrl.net.  
>  
> Sam N4MAP  
> (no longer using arrl.net!)  
>  
>

--

Bob Evinger WD9EKA/AAR5MG(Army MARS operator)  
If Guns Cause Crime, Then Matches Cause Arson.

-----  
Date: Wed, 27 Nov 2002 08:35:21 -0500  
From: "brian" <brian@iquest.net>  
To: <sam.smith@ece.gatech.edu>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [140986] Re: ARRL forwarding email....not  
Message-ID: <001101c29619\$dd5ca3e0\$3d05080a@BM17711>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

But this is through no fault of the ARRL. There is nothing to keep me from spoofing fake gatech.edu addresses either.

The spam flood isn't FROM arrl.net it just looks like it is.

73

----- Original Message -----

From: "Sam Smith" <sam.smith@ece.gatech.edu>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Wednesday, November 27, 2002 7:35 AM  
Subject: Re: ARRL forwarding email....not

> I think the problem is that spammers have figured out they can generate  
> thousands of valid email addresses by just using callsign@arrl.net. It's  
> trivial to generate the callsigns. If you are getting flooded with spam  
> from arrl.net, then you cutoff arrl.net.  
>  
> Sam N4MAP  
> (no longer using arrl.net!)  
>  
>

-----  
Date: Wed, 27 Nov 2002 06:58:41 -0700 (MST)

From: "Karl F. Larsen" <k5di@zianet.com>  
To: Tom Dooley <tdooley@attbi.com>  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [140987] Re: FDIM2003  
Message-ID: <Pine.LNX.4.44.0211270657200.1279-100000@bucket.dog>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

The web page tells you what's going on. I MAY use some frequent flyer miles this year.

On Tue, 26 Nov 2002, Tom Dooley wrote:

> Hi Karl,  
>  
> Please go to the QRP-ARCI web pages, under the FDIM links for a full  
> explanation of the FDIM events. Try the following link:  
>  
> <http://www.qrparci.org/fdim64.html>  
>  
> This link talks about the 2002 event, plus has some history. The 2003 event  
> information will be posted in the next couple of weeks.  
>  
> Briefly, FDIM is the QRP experience at the Dayton Hamvention. We added an  
> additional day to the three days of the Dayton Hamvention to concentrate on  
> the QRP side of Ham Radio. We have a full day of seminars on Thursday and  
> leave the days free (Friday, Saturday and Sunday) for you to wonder around  
> the Hamvention. Evenings are chocked full of QRP socials and events at the  
> home QRP hotel.  
>  
> So, based on the above, we would like to invite everyone to come and enjoy  
> FDIM 2003, which is about us, QRP.  
>  
>  
> More to come.....  
>  
> 73  
> Tom  
> K4TJD  
>  
>  
>  
> ----- Original Message -----  
> From: "Karl F. Larsen" <k5di@zianet.com>  
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
> Sent: Tuesday, November 26, 2002 21:22 PM

> Subject: Re: FDIM2003  
>  
>  
>  
> Could someone explain what "FDIM-2003" means?  
>  
>  
> On Tue, 26 Nov 2002, w8diz wrote:  
>  
> > He Gang...  
> >  
> > Who is in charge of FDIM-2003 ?  
> >  
> > Some folks are trying to set their schedules  
> > for the big event, and we have no info yet.  
> > Need info on Dates, Hotel reservations etc.  
> >  
> > Inquiring minds want to know...  
> >  
> >  
> > 72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio  
> > Clermont County - EM79uf - near Cincinnati; 39:13:05N 84:18:18W  
> > FP#-1 DLQRPAG-1454 ARCI-10226 ARS-781 QRPL-1998 HIqrp-400  
> > <http://kitsandparts.com>  
> >  
> >  
> >  
> >  
>  
>  
>

-----  
Date: Wed, 27 Nov 2002 08:55:14 -0500  
From: "W2WU" <w2wurjj@verizon.net>  
To: <brian@iquest.net>,  
      "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [140988] Forwarding Services  
Message-ID: <000e01c2961c\$de1d2d60\$c400a8c0@vaio>  
MIME-Version: 1.0  
Content-Type: text/plain;  
              charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Directly / Indirectly, but maybe not legally, the League bears ultimate onus  
for the actions of their vendor. Better choice leads to better public image.



I wouldn't trust them any further than one can move the Earth.

----- Original Message -----

From: "brian" <brian@iquest.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: 27 November, 2002 08:35

Subject: Re: ARRL forwarding email....not

> But this is through no fault of the ARRL. There is nothing to keep me  
from

> spoofing fake gatech.edu addresses either.

>

> The spam flood isn't FROM arrl.net it just looks like it is.

>

> 73

>

>

> ----- Original Message -----

> From: "Sam Smith" <sam.smith@ece.gatech.edu>

> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

> Sent: Wednesday, November 27, 2002 7:35 AM

> Subject: Re: ARRL forwarding email....not

>

>

> > I think the problem is that spammers have figured out they can generate  
> > thousands of valid email addresses by just using callsign@arrl.net. It's  
> > trivial to generate the callsigns. If you are getting flooded with spam  
> > from arrl.net, then you cutoff arrl.net.

> >

> > Sam N4MAP

> > (no longer using arrl.net!)

> >

> >

>

-----

Date: Wed, 27 Nov 2002 09:56:50 -0500

From: Paul Womble <pwomble1@tampabay.rr.com>

To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>,  
FP <fpqrp-1@mpna.com>

Subject: [140989] Thanksgiving Truffle

Message-ID: <3DE4DD32.93CF3BBB@tampabay.rr.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

I will be the truffle Thursday night. Look for W8PIG at 8:30 pm EST or 0130z.

I'll be omewhere around 7042-7045 listening above and below my transmit frequency if there is a large pile.

Happy Holidays!

Paul K4FB

-----  
Date: Wed, 27 Nov 2002 10:02:06 -0500  
From: "brian" <brian@iquest.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [140990] Re: Forwarding Services  
Message-ID: <001501c29625\$f3ecbd50\$3d05080a@BM17711>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Their vendor can do little to keep a spammer from using arrl.net in the return address line. I would be surprised to see any of the suspect arrl spam even coming from them or their vendor.

I'm sure collecting valid arrl.net addresses for spamming is a piece of cake, just buy the QRZ CD or Buckmaster, or mine the eham and qrz websites....it ain't that hard.

Spam laws are like most laws, seldom enforced.

Personally, if more people drop the arrl forwarding, it'll just free up some server cycles and my email will arrive faster. I'm all for that.

73

----- Original Message -----  
From: "W2WU" <w2wurjj@verizon.net>  
To: <brian@iquest.net>; "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Wednesday, November 27, 2002 8:55 AM  
Subject: Forwarding Services

> Directly / Indirectly, but maybe not legally, the League bears ultimate  
onus  
> for the actions of their vendor. Better choice leads to better public  
image.  
> I wouldn't trust them any further than one can move the Earth.  
> ----- Original Message -----  
> From: "brian" <brian@iquest.net>  
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
> Sent: 27 November, 2002 08:35  
> Subject: Re: ARRL forwarding email....not  
>  
>  
> > But this is through no fault of the ARRL. There is nothing to keep me  
> from  
> > spoofing fake gatech.edu addresses either.  
> >  
> > The spam flood isn't FROM arrl.net it just looks like it is.  
> >  
> > 73  
> >  
> >  
> > ----- Original Message -----  
> > From: "Sam Smith" <sam.smith@ece.gatech.edu>  
> > To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
> > Sent: Wednesday, November 27, 2002 7:35 AM  
> > Subject: Re: ARRL forwarding email....not  
> >  
> >  
> > > I think the problem is that spammers have figured out they can  
generate  
> > > thousands of valid email addresses by just using callsign@arrl.net.  
It's  
> > > trivial to generate the callsigns. If you are getting flooded with  
spam  
> > > from arrl.net, then you cutoff arrl.net.  
> > >  
> > > Sam N4MAP  
> > > (no longer using arrl.net!)  
> > >  
> > >  
> >  
>  
>  
>

-----

Date: Wed, 27 Nov 2002 14:19:09 -0600  
From: "tmyers" <tmyers@academicplanet.com>  
To: <n6wg@earthlink.net>,  
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [140991] Re: Awesome keyer kit  
Message-ID: <003101c29652\$3fa5a460\$0100a8c0@newkid>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I had a small problem with the switches I chose at first, but the real solution was really cost effective (cheap). I purchased SMT tactile MC switches from Mousers (like the ones used on the K2, but SMT) and if I remember right they were about 35 cents each and the buttons were another dime (big color selection). They work FB. I made a surface mount board with a saw blade and mounted it to the inside top of the cover. I use three AAA batteries that have been in daily use for about four years now. The batteries last for ever, almost. The keyer is so easy to use I use it on everything thus I only have one menu to learn.

73  
Terry, KQ5U  
Spring, Texas

----- Original Message -----  
From: Bob Tellefsen <n6wg@earthlink.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Sent: Tuesday, November 26, 2002 19:48  
Subject: Re: Awesome keyer kit

> John  
> Nice to know your kit went together well and performs as you hoped.  
>  
> I built an earlier version of the Island Keyer, and had a terrible  
time  
> finding pushbutton switches of good quality and decent price.  
>  
> What switches did you use? Anybody else got a recommendation for good  
> switches that don't cost more than the kit?  
>  
> 73, Bob N6WG  
>

-----

Date: Wed, 27 Nov 2002 10:50:34 -0500  
From: <mgoins@usa.net>  
To: <qrp-l@lehigh.edu>  
Subject: [140992] CQ: G3R00 only  
Message-ID: <200211271552.gARFpobh021632@rain.CC.Lehigh.EDU>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: quoted-printable

The article will be in the Winter issue, but the schematic is damaged in =  
the  
file. Need to talk to you asap.

mike  
wb5yjx  
managing editor  
qrp quarterly

-----  
Date: Wed, 27 Nov 2002 10:50:21 EST  
From: ARDUJENSKI@aol.com  
To: qrp-l@lehigh.edu  
Subject: [140993] OT: RESOURCES FOR NEW TO QRP/HAM RADIO  
Message-ID: <1c1.224f8c3.2b1643bd@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Along with what Stuart passed on about checking out GOOGLE here are a few  
additional items:

Usually when doing a search I find many new related and even unrelated bits  
of information. So doing a search has a lot of merit. In using GOOGLE please  
note there are a couple of ways to search. Look along under the title and you  
will see tabs for WEB--- IMAGES ---GROUPS--- DIRECTORY--- NEWS  
Each of these do a unique search. WEB is self explanitory. IMAGES will pick  
up pictures, schematics, and lots of things that might otherwise get buried  
in the WEB search. GROUPS will search all the LISTS. DIRECTORY lets you  
search in specific categories such as QRP CANADA for example. NEWS allows you  
to search specifically in NEWS RELEASES.

A good example is to type in EMTECH ZM-2 and click on IMAGES and you not only  
get various pictures but also the schematics. You can enter call signs and  
hit IMAGES and pictures of the fellow ham will appear if available too

There are a few key sites you need to keep bookmarked and from there you can

locate much of what you are looking for in ham radio:

<http://www.extremezone.com/~nk7m/>  
<http://www.ac6v.com/>  
<http://www.qsl.net/k3wvp/>  
<http://www.g3ycc.karoo.net/index.html>  
<http://www.qsl.net/wd8rif/articles.htm>

For searching the QRP-L for topics:  
<http://qrp.kd4ab.org/cgi-bin/s.cgi>

If you need a formula:  
<http://www-sci.lib.uci.edu/HSG/RefCalculators.html>

If you need to do some antenna design work:  
<http://www.btinternet.com/~g4fgq.regp/page3.html#S301>  
<http://www.eznec.com/demoinfo.htm>  
<http://www.cebik.com/radio.html>

Some other sites worth bookmarking:  
<http://www.qrparci.org/arcipg2.htm>  
<http://www.qth.net/>  
<http://www.qrpp-i.com/>  
<http://www.njqrp.org/>

This should get you off to a good start. Did not mean to slight any site but wanted to get some of these folks started with some basic references

Alan KB7MBI in Woodinville, WA  
FISTS 5702 Proud member of ARRL

--- --- . . . . . --- --- DIT DIT

-----

Date: Wed, 27 Nov 2002 10:54:14 -0500 (EST)  
From: Thom LaCosta <baltimoremd@baltimoremd.com>  
To: brian <brian@iquest.net>  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [140994] Re: Forwarding Services  
Message-ID: <20021127104325.K67858-100000@unix1.vhost.min.net>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 27 Nov 2002, brian wrote:

> Their vendor can do little to keep a spammer from using arrl.net in the  
> return address line. I would be surprised to see any of the suspect arrl  
> spam even coming from them or their vendor.

There is another problem with ANY forwarding service. Let's assume I use k3hrn@arrl.net(which I don't-I have my own server, so k3hrn lives at zerobeat.net) to forward mail to thom@baltimoremd.com

So, thom@baltimoremd.com disappears...and everyone who sends mail to it gets a bounce message from baltimoremd.com.

BUT, being a good ARRL member, I have subscribed to QRP-L and all those dreadful splinter lists using k3hrn@arrl.net....

So, does the list manager get a bounce message from k3hrn@arrl.net?  
Nope...that address works...but he/she did get one from baltimoremd.com  
And...he/she can't find thom@baltimoremd.com in the list of subscribers.

It's a constant problem

>  
> I'm sure collecting valid arrl.net addresses for spamming is a piece of  
> cake, just buy the QRZ CD or Buckmaster, or mine the eham and qrz  
> websites....it ain't that hard.

And hiding behind your\_call@arrl.net simply means you'll get the spam addressed to your\_call@arrl.net no matter where you forward your mail...so, if the spam gets too bad...you can...er, uh, um, stop using your\_call@arrl.net

Thom

|                                                                         |                                        |
|-------------------------------------------------------------------------|----------------------------------------|
| baltimoremd@baltimoremd.com                                             | Thom LaCosta K3HRN Webmaster           |
| <a href="http://www.baltimoremd.com/">http://www.baltimoremd.com/</a>   | Baltimore's Home Page                  |
| <a href="http://www.baltimorehon.com/">http://www.baltimorehon.com/</a> | Home of the Baltimore Lexicon          |
| <a href="http://www.zerobeat.net">http://www.zerobeat.net</a>           | Home of The QRP Web Ring and DrakeList |
| <a href="http://www.tlchost.net">http://www.tlchost.net</a>             | Web Hosting as low as \$3.49/month     |

-----  
Date: Wed, 27 Nov 2002 08:02:45 -0800  
From: "Siegrist, David" <david.siegrist@intel.com>  
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>  
Subject: [140995] small wonder labs  
Message-ID: <29AD895CE780D511A8870002A50A666D03E59E99@hdsmsx106.hd.intel.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Hello folks,

Figured I should report to the group about a recent experience with Small Wonder Labs. I had ordered the Rock Mite recently from Dave, and had received it a couple weeks ago. I looked at the stuff and set it aside until I had at least a little experience soldering some smt. After putting together Steve Webers version of the 555 keyer from Wes Hayward I went back to the Rock Mite, all excited about building it.

I reopened the package, ready to go, but there was no circuit board!

- did I loose it? (easily possible)
- was it not there originally? (not sure)

I was bummed but I sent a note along with some cash to Dave explaining the situation, and asking for another board.

Less than a week later envelope from Dave

- new circuit board
- my cash back
- no questions.

Yes I have purchased from Dave before.

Yes I will purchase from Dave again.

A real bonus for our small community!

Happy Thanksgiving.

dave /nt1u

David Siegrist  
Intel Corp.  
334 South St. SHR1-S30  
Shrewsbury, Ma 01545

-----  
Date: Wed, 27 Nov 2002 08:30:05 -0800  
From: "JAKidz" <jakidz@pullman.com>  
To: <qrp-l@lehigh.edu>  
Subject: [140996] Inverted-L mechanics?  
Message-ID: <PMECLCODPFGKGLKANCBLAGEMCCEAA.jakidz@pullman.com>  
MIME-Version: 1.0  
Content-Type: text/plain;



charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Greetings:

I'm a newbie helping a 79 years young ham get back on the air after a 30 year absence (reverse elmering); he was licensed back before the mass assignment of the W calls, which he still has. He's purchased an ICOM 718 and an AH-4. As TVI was a big deal back in his day (he still has his old low pass filter and J38 key but no rig), he plans to run QRP but I don't think he necessarily needs to.

He has 2 pine trees on opposite edges of his lot in a north by northwest - south by southeast alignment that he wants to use for antenna supports. How tall (rather, how far up them I can climb) and how far apart I'm not sure but his house is 55 feet wide and it fits between them. He has W4RNL's writeups on 1/2 wave and 3/8 wave 80m inverted L's and 140 feet of WireGuy 13ga insulated wire with tape on it at the ends and halfway points for the 1/2 and 3/8. The question - How much off of the horizontal and vertical dimensions can an inverted-L be and still have the desired pattern? Should I climb each tree as far as I can (I'm guessing 40 feet), put up all the wire I can and call that good? Or should I try to hit the closest half-way point for the vertical component and then cut the horizontal length to match? How much wire can hang down the far tree without the antenna starting to work like a bad half-square? Finally, what is the best way to hook onto the top of the far tree to keep the wind from breaking the wire? I'm thinking of letting the wire or rope slide through one of those powerpole lag screw insulators and hanging a big lead downrigger fishing weight on the end to tension it.

Thanks and 73,

John, K7JG.

-----  
Date: Wed, 27 Nov 2002 09:34:25 -0700 (MST)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: qrp-l@lehigh.edu  
Subject: [140997] FOX Nuts!  
Message-ID: <Pine.LNX.4.44.0211270931470.2042-100000@bucket.dog>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

The sun is going to mess up another Fox Hunt.

SFI:142 A:12 frm 7 K:5 frm 2 (81 nT) 0000 27 Nov  
Frcst: SWX next 24h:minor: G1

Obs: No SWX storms were observed last 24h.

Flare: 6h hi:C2(2305Z Nov26) 24h hi:C2(1835Z Nov26)

SSN: 106 (25 Nov 2002)

Au: 9

S Wind: 572 km/s @ 7.3 protons/cm<sup>3</sup>

Warning (206): Geomagnetic K-index of 5 expected

From: 2002 Nov 26 2135 UTC To: 2002 Nov 27 1500 UTC

Condition: Onset

Warning (24): Geomagnetic Sudden Impulse expected

From: 2002 Nov 26 2140 UTC To: 2002 Nov 26 2220 UTC

Condition: IP Shock Passage Observed: 2002 Nov 26 2110 UTC

Alert (245): Geomagnetic K-index of 5

Period: 2100-2400 UTC

Threshold Reached on 2002 Nov 26 2321 UTC

Global HF Propagation Conditions are unavailable at this moment.

I'm crossing my fingers. Hard to do at age 67...:-)

-----  
Date: Wed, 27 Nov 2002 11:41:36 -0500

From: W2AGN <w2agn@w2agn.net>

To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>

Subject: [140998] Re: FOX Nuts!

Message-ID: <3DE4AF70.31759.189A2B99@localhost>

MIME-version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7BIT

Content-description: Mail message body

On 27 Nov 2002 at 9:34, Karl F. Larsen wrote:

>

> I'm crossing my fingers. Hard to do at age 67...:-)

>

>

I should say so! Especially since a month ago you said you were 64. That rapid aging is a bummer.

I KNOW you'll be listening for W2AGN!

---

+---+---+---+---+ John L. Sielke  
|W||2||A||G||N| http://www.w2agn.net [UPDATED]  
+---+---+---+---+ Ex-K3HLU,TF2WKT,W7JEF,W4MPC,N4JS

-----

Date: Wed, 27 Nov 2002 11:47:07 -0500  
From: Jeffrey Davis <ke9v@comcast.net>  
To: ARDUJENSKI@aol.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [140999] Re: OT: RESOURCES FOR NEW TO QRP/HAM RADIO  
Message-ID: <20021127164707.GA5059@comcast.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7BIT  
Content-disposition: inline

\* ARDUJENSKI@aol.com <ARDUJENSKI@aol.com> [2002-11-27 10:55]:  
> Along with what Stuart passed on about checking out GOOGLE here are a few  
> additional items:

And don't forget the basic rules for searching:

Most search engines allow you to add words to narrow your search:

+QRP +Florida

would return anything found with the words "QRP" and "Florida" in it.

"HF transceivers for 20 meters"

would return any document found with that EXACT phrase in it.

"HF transceivers for 20 meters" +Florida

would return any document with that EXACT phrase AND the word Florida somewhere in it.

Google supports OR. So you could search on: qrp OR "low power"

Google supports -. So if two words have the same meaning you can tell the search engine which one NOT to return. Like the word bass. You can be a bass soloist, or a bass fisherman. If you are looking for fishing links you could query like this:

bass -music

and Google would return anything with "bass" in it but ignoring music references.

etc, etc. You get the idea! :-)

There is gold in them thar' hills if you know how to look!

--

Jeff Davis <ke9v@comcast.net>

-----

Date: Wed, 27 Nov 2002 12:02:33 -0500 (EST)  
From: "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>  
To: qrp-l <qrp-l@lehigh.edu>  
Subject: [141000] Even through solar storming...QRP abounds  
Message-ID: <Pine.LNX.4.44.0211271200190.31863-1000000@w3eax.umd.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Figuring that I'd never be able to work anyone, anywhere, with the solar/geomag conditions the way they are, I decided to tempt fate last night and started calling CQ on 7.043. Called twice and ended up working a guy in Mississippi, dipoles on both ends, huge signals.

It will be interesting to see what it's like today, "the day after."

--

Scott Rosenfeld ARS N7JI  
541-684-9970 Eugene, OR Land o' much rain  
If you find me on the air, I'm probably in my car  
ham@w3eax.umd.edu <http://w3eax.umd.edu/~ham>

-----

Date: Wed, 27 Nov 2002 11:06:33 -0700  
From: "Juan A. Bertolin" <ea5xq@qsl.net>  
To: GQRP@yahooogroups.com, antennas@mailman.qth.net, qrp-l@lehigh.edu  
Subject: [141001] Reducing Losses in my ZMATCH  
Message-ID: <5.1.1.6.0.20021127110102.00b79890@mail.cajarural.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi,

I'm trying to improve my ZMATCH, following the instructions of W6JJZ in NCQRP web site. Currently my one is using a T130-2 core and in the W6JJZ's article mentions the option of using T130-6 because the Q is higher. I'm quite concern about the losses that I'm perceiving when I use the tuner (by means of my Field Strength Meter) in 20m. With the T130-6, I mean with a core of high Q the efficiency will be better and I will get less losses? But with high Q the bandwidth of tuner will be less, narrower isn't it?

Any experience on that? I'm going to perform some tests with T130-6 versus #2 but I will appreciate any comments about another way of improving the ZMATCH and reducing the losses

73s Juan

```
=====
=====
EA5XQ, QRA:Juan, QTH:Almazora, LOC:IM99XW (now in XE2/EA5XQ LOC: DL95to)
Clubs: URE, G-QRP #9805, QRP-L #1461, EA-QRP #471
MSMessenger: ea5xq_Juan@hotmail.com
@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@
Web Site: http://www.qsl.net/ea5xq (english version in
http://www.qsl.net/ea5xq/index_eng.html )
=====
=====
```

-----

Date: Wed, 27 Nov 2002 13:25:48 -0500  
From: "Jim" <ku4qw@yahoo.com>  
To: <qrp-1@lehigh.edu>  
Subject: [141002] Free Stuff (if you buy something)  
Message-ID: <000501c29642\$690505e0\$0100000a@jim>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

- 1) Heathkit HW-8, Works GREAT, has a few small scratches.....SOLD
- 2) Heathkit HW-7, Works GREAT, has a few scratches.....Reduced to 85.00
- 3) Heathkit HW-7A, Works and Looks Good.....Reduced to 30.00
- 4) Techsonic Milliwatt Transmitter Unbuilt Kit 20m.....Reduced to 25.00
- 5) Norcal 40-9er, I kitted this one myself  
Unbuilt.....SOLD/Shipped

6) Norcal NC-40a Wilderness Radio w/KC-1 & 10t Pot.....SOLD  
7) Ten-Tec Argonaut 509 w/208 cw filter Works  
Great.....SOLD/Shipped  
8) Yaesu FT-7 works good Freq doesn't match what you are on again,  
unit looks rough but is solid if you can deal with freq being off...Reduced  
to 125.00

Shipping on the HW-7 would be 6.00, on the FT-7 8.00, everything else 3.85

Act today and receive free with your order, a Techsonic Milliwatt Circuit  
Board!!! WoW!!! or a crystal for 7040 your choice FREE free FREE!!!! (ok so  
I watch to many infomercials) but offer stands.  
But that's not all folks, act now, and you will also receive a second  
surprise free gift. This gift is a electronic component of some kind from  
Dan's Grab Bag!!!! You can't beat this offer with a Buddipole...

72/73  
Jim - KU4QW

-----  
Date: Wed, 27 Nov 2002 13:46:59 -0500  
From: "w8diz" <w8diz@fpqrp.com>  
To: <qrp-l@lehigh.edu>  
Subject: [141003] PCB Engineer WannaBees  
Message-ID: <007101c29645\$5ed3bdc0\$b8cf1d41@cinci.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Gang,

This email is an endorsement for <http://www.expresspcb.com/>

If you ever wanted to design your own PCBs with minimal effort  
and lots of convenience, I can highly recommend ExpressPCB.

For \$62 you can design a 2.5" x 3.8" double sided plated thru PCB,  
and the software for the layout is free from the web site.  
Once you have a PCB design, you just upload it from your computer.  
3 days later, the PCBs arrive at your front door.  
You can see some of the examples of the PCB layouts that I have done  
on my website at <http://www.kitsandparts.com/kits.html>

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio  
Clermont County - EM79uf - near Cincinnati; 39:13:05N 84:18:18W  
FP#-1 DLQRPAG-1454 ARCI-10226 ARS-781 QRPL-1998 HIqrp-400  
<http://kitsandparts.com>

Email: [chistrask@earthlink.net](mailto:chistrask@earthlink.net)  
<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

----- Original Message -----

From: "w8diz" <w8diz@fpqrp.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Wednesday, November 27, 2002 11:46 AM  
Subject: PCB Engineer WannaBees

> Hi Gang,  
>  
> This email is an endorsement for <http://www.expresspcb.com/>  
>  
> If you ever wanted to design your own PCBs with minimal effort  
> and lots of convenience, I can highly recommend ExpressPCB.  
>  
> For \$62 you can design a 2.5" x 3.8" double sided plated thru PCB,  
> and the software for the layout is free from the web site.  
> Once you have a PCB design, you just upload it from your computer.  
> 3 days later, the PCBs arrive at your front door.  
> You can see some of the examples of the PCB layouts that I have done  
> on my website at <http://www.kitsandparts.com/kits.html>  
>  
> I'm not trying to sell my kits here, just wanted to share something  
> I found to be very useful and easy to use.  
>  
> 72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio  
> Clermont County - EM79uf - near Cincinnati; 39:13:05N 84:18:18W  
> FP#-1 DLQRPAG-1454 ARCI-10226 ARS-781 QRPL-1998 HIqrp-400  
> <http://kitsandparts.com>  
>  
>  
>  
>

-----  
Date: Wed, 27 Nov 2002 11:02:09 -0800  
From: "blinn" <blinn@smgazette.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [141005] Re: QRP Wattmeter  
Message-ID: <001401c29647\$7db42e80\$aa8aa242@blinn>  
MIME-Version: 1.0



Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

List.

I set my NoGaWattMeter up so one meter reads 6 watts full scale. Reversing the in/out coax lets me use the other meter which is set to read 2 watts full scale. Works great!

Bill - WA7TQK

Of course the SWR indications aren't to scale but "relative" readings serve the purpose too!

---

Outgoing mail is certified Virus Free.  
Checked by AVG anti-virus system (<http://www.grisoft.com>).  
Version: 6.0.381 / Virus Database: 214 - Release Date: 8/2/02

---

[SMGazette.com E-mail is scanned for viruses by Declude Virus]  
[Visit us on the web at [SMGazette.com](http://SMGazette.com)]

-----

Date: Wed, 27 Nov 2002 14:13:10 -0500  
From: "kw3u@warwick.net" <kw3u@warwick.net>  
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [141006] dx country question  
Message-ID: <3DE51946.EFC8625E@warwick.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi all; Managed to snag 9S1X today and thought I had new country Congo,

but in my (little outdated) dxcc countries book where I keep track, I already

have prefix 9Q-9T filled in with 9q5da Zaire.

Would appreciate knowing if I have a new one or the story here.

Guess I should have payed attention in geography class.

Please no guesses or maybe's, just the facts.

Also looking forward to more postings on the new argonaut,   tnx   Jim  
kw3u

-----  
Date: Wed, 27 Nov 2002 11:26:45 -0800  
From: "Kory Hamzeh" <kory@avatar.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [141007] RE: 24 VDC to 5 VDC  
Message-ID: <002101c2964a\$ec008ac0\$14ce21c7@avatar.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Thanks you, everyone, for you suggestions. I think I got enough ideas to solve my problem. By the way, the +5 volts is for the logic circuitry of the driver and doesn't actually drive the stepper motor. The motor itself is driven from the +24 VDC. This is all for a single axis CNC controller for my metal lathe.

73,  
Kory  
AC6RN

-----  
Date: Wed, 27 Nov 2002 14:23:39 -0500  
From: "brian" <brian@iquest.net>  
To: <kw3u@warwick.net>,  
      "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [141008] Re: dx country question  
Message-ID: <000f01c2964a\$89c43a00\$3d05080a@BM17711>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Jim,

Look here: <http://www.odci.gov/cia/publications/factbook/>

Excellent reference book.

## Republic of Congo

Upon independence in 1960, the former French region of Middle Congo became the Republic of the Congo. A quarter century of experimentation with Marxism was abandoned in 1990 and a democratically elected government installed in 1992. A brief civil war in 1997 restored former Marxist President SASSOU-NGUESSO.

## Democratic Republic of Congo (FORMERLY ZAIRE)

Since 1997 the Democratic Republic of the Congo (DROC; formerly called Zaire) has been rent by ethnic strife and civil war, touched off by a massive inflow in 1994 of refugees from the fighting in Rwanda and Burundi. The government of former president MOBUTU Sese Seko was toppled by a rebellion led by Laurent KABILA in May 1997; his regime was subsequently challenged by a Rwanda- and Uganda-backed rebellion in August 1998. Troops from Zimbabwe, Angola, Namibia, Chad, and Sudan intervened to support the Kinshasa regime. A cease-fire was signed on 10 July 1999 by the DROC, Zimbabwe, Angola, Uganda, Namibia, Rwanda, and Congolese armed rebel groups RCD-G and MLC, but sporadic fighting continued. KABILA was assassinated on 16 January 2001 and his son Joseph KABILA was named head of state on 26 January 2001. Despite taking a radically different approach than his father, the new president has been equally unsuccessful in ending the war.

```
=====
KB9BVN/QRP - New Whiteland IN - EM69WN
QRP-ARCI #10223 QRP-L #1540 FIST #5695
FISTS CC #764 - Proud Member ARRL
HEATH HW-9 @ 2W or NORCAL 40A @ 1.3W
INTO INFAMOUS AF4PS ATTIC DIPOLE
SOC #400 AND FLYING PIGS QRP #-57
=====
```

----- Original Message -----

From: <kw3u@warwick.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Wednesday, November 27, 2002 2:13 PM

Subject: dx country question

> Hi all; Managed to snag 9S1X today and thought I had new country Congo,  
>  
> but in my (little outdated) dxcc countries book where I keep track, I  
> already  
> have prefix 9Q-9T filled in with 9q5da Zaire.  
> Would appreciate knowing if I have a new one or the story here.

> Guess I should have payed attention in geography class.  
> Please no guesses or maybe's, just the facts.  
> Also looking forward to more postings on the new argonaut, tn timer Jim  
> kw3u  
>  
>  
>  
>

-----  
Date: Wed, 27 Nov 2002 11:27:18 -0800  
From: "DTX" <dtimer@wood.tzo.com>  
To: <qrp-1@lehigh.edu>  
Subject: [141009] Re: PCB Engineer WannaBees  
Message-ID: <004101c2964b\$0019ce40\$0c00a8c0@home>  
MIME-Version: 1.0  
Content-Type: text/plain;  
 charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I agree with what Diz says and have used their service. But a couple of points. If you vary from that size, and they consider 3.8x2.5 to be a variation, the price for a close to the same size board set will be \$100 +/- . And the software is pure manual layout, no schematic entry, no design rules checking (vary coarse clearance check) and limited hole and pad sizes. Still, if it is a simple circuit using standard parts and you take care to check the mechanicals, it works and their boards are good quality.

If you already have some schematic capture and layout tools that will make gerber files, there are other places that come vary close to matching the price. If the situation is more like "I have a 4x5 board laid out and just want to build 1 or 2 before ordering 100+ from our normal vendor" then places like AP Circuits, which I have also used with good results, and others will take your gerber files (actually your whole CAM package) and do boards in multiples of 2. Again, fine boards and good timely service but they ship ONLY Fed-X nest day. If you do not have an account with Fed-X for them to ship on, they flat-rate anywhere in the world at \$25. And if you do not pre-pay with plastic, the clock doesn't start till they clear your check. In Canada somewhere.

And thirdly, I found 2 or 3 places that will do small runs of multi-layer boards. 6 layers and 30 sq inches were quoted between \$300 and \$900 but not always one PCB. The best deal was a place the did 1 PCB for \$750. And 2. And 3. It was the sixth board that cost more than \$750? I think one vendor would do one board for \$275. I think. We never did use any of those vendors so I cannot make first person testimonials.

So many options, so little time<G>.

Gary WA6DTX

----- Original Message -----

From: "w8diz" <w8diz@fpqrp.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Wednesday, November 27, 2002 10:46 AM

Subject: PCB Engineer WannaBees

> Hi Gang,

>

> This email is an endorsement for <http://www.expresspcb.com/>

>

> If you ever wanted to design your own PCBs with minimal effort

> and lots of convenience, I can highly recommend ExpressPCB.

>

> For \$62 you can design a 2.5" x 3.8" double sided plated thru PCB,

> and the software for the layout is free from the web site.

> Once you have a PCB design, you just upload it from your computer.

> 3 days later, the PCBs arrive at your front door.

> You can see some of the examples of the PCB layouts that I have done

> on my website at <http://www.kitsandparts.com/kits.html>

>

> I'm not trying to sell my kits here, just wanted to share something

> I found to be very useful and easy to use.

>

> 72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio

> Clermont County - EM79uf - near Cincinnati; 39:13:05N 84:18:18W

> FP#-1 DLQRPAG-1454 ARCI-10226 ARS-781 QRPL-1998 HIqrp-400

> <http://kitsandparts.com>

>

>

>

>

>

-----  
Date: Wed, 27 Nov 2002 14:42:19 -0500

From: "Mike Yetsko" <myetsko@insydesw.com>

To: <w8diz@fpqrp.com>,

"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [141010] Re: PCB Engineer WannaBees

Message-ID: <001c01c2964d\$21c80500\$0300a8c0@charter.net>

MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

My friends business uses these people for small production runs of things that don't pay to build a lot of. I did a thing called a '4-score' for him that lets him tie two dragstrip timers together for a total of 4 lanes. (Mud and snowmobile...) That's not that big an item, so when he needs a few, he uses them.

Good quality boards for not much money.

Mike

> Hi Gang,  
>  
> This email is an endorsement for <http://www.expresspcb.com/>  
>  
> If you ever wanted to design your own PCBs with minimal effort  
> and lots of convenience, I can highly recommend ExpressPCB.  
>  
> For \$62 you can design a 2.5" x 3.8" double sided plated thru PCB,  
> and the software for the layout is free from the web site.  
> Once you have a PCB design, you just upload it from your computer.  
> 3 days later, the PCBs arrive at your front door.  
> You can see some of the examples of the PCB layouts that I have done  
> on my website at <http://www.kitsandparts.com/kits.html>  
>  
> I'm not trying to sell my kits here, just wanted to share something  
> I found to be very useful and easy to use.  
>  
> 72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio  
> Clermont County - EM79uf - near Cincinnati; 39:13:05N 84:18:18W  
> FP#-1 DLQRPAG-1454 ARCI-10226 ARS-781 QRPL-1998 HIqrp-400  
> <http://kitsandparts.com>

-----  
Date: Wed, 27 Nov 2002 11:57:09 -0800  
From: "laura halliday" <marsgal42@hotmail.com>  
To: qrp-l@lehigh.edu  
Subject: [141011] Re: OT: RESOURCES FOR NEW TO QRP/HAM RADIO  
Message-ID: <F195n33rbRCBz4xT7uh0000e3c6@hotmail.com>  
Mime-Version: 1.0

Content-Type: text/plain; format=flowed

While the web sites are all well and good, there are still excellent printed reference books out there.

My faves include The Art of Electronics by Horowitz and Hill. Solid State Design for the Radio Amateur (anybody heard an ETA on the new edition?). Hayward's excellent Introduction to Radio Frequency Design. The ARRL and/or RSGB Handbooks. And so on.

My library includes some very geeky books, like Hilbert Transforms in Signal Processing by Hahn and Digital Modulation and Coding by Wilson. But then it \*is\* 2002, and I distinctly remember reading something about this being a technical hobby...

Don't bitch about the prices: if you can afford to be a ham and can afford to use the Internet, you can afford good reference books. Buy them. Read them. Understand them.

Laura Halliday VE7LDH        "Que les nuages soient notre  
Grid: CN89lg                    pied a terre..."  
ICBM: 49 16.57 N 123 0.24 W       - Hospital/Shafte

---

Add photos to your messages with MSN 8. Get 2 months FREE\*.  
<http://join.msn.com/?page=features/featuredemail>

---

Date: Wed, 27 Nov 2002 12:02:16 -0800  
From: Jeff Grudin <jeff@grudin.net>  
To: qrp-l@lehigh.edu  
Subject: [141012] Can anyone lookup a part for an SW40+?  
Message-ID: <000601c2964f\$e2441290\$6401a8c0@GRUDIN2>  
MIME-version: 1.0  
Content-type: text/plain; charset=Windows-1252  
Content-transfer-encoding: 7BIT

I am at work and I need the value of a resistor. I wanted to pick it up on my way home to put in tonight, but I forgot to bring the value. I think it is 1K but I am not sure. It is R19.

Email me direct, I am sure no one else wants to know.

Thanks in advance.

-----  
73 de AC6KW <mailto:jeff@grudin.net>  
Jeff Grudin, DVM Web Add: <http://www.grudin.net>

Ocean Animal Clinic / Cat Clinic of Santa Cruz - Santa Cruz, California  
Montgomery 23 Hull #072 Norcal QRP \* QRP-L \* ARS \* AR Qrp

---  
Outgoing mail is certified Virus Free.  
Checked by AVG anti-virus system (<http://www.grisoft.com>).  
Version: 6.0.413 / Virus Database: 232 - Release Date: 11/6/2002

-----  
Date: Wed, 27 Nov 2002 12:05:54 -0800 (PST)  
From: Jeff <fantbb@yahoo.com>  
To: qrp qrp <qrp-l@lehigh.edu>  
Subject: [141013] PSK31 revisted...  
Message-ID: <20021127200554.4872.qmail@web20415.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

A while back I posted a message critical of PSK31 not being all it's cracked up to be. I have using it quite a lot lately and found that it is indeed a fun mode. However there are some caveats to it I'd like to point out.

I am really doubtful that it is any better for QRP than CW. I have found that at less than 10 watts the signals aren't as readable someone running 20 watts for more. The rate of copy seems to drop off and a lot more errors creep in. I haven't seen any difference in copy quality when other stations are running more than 20 watts though. The same rules apply for QRP CW as QRP PSK31. If the other station is loud you will have a good QSO. If he is weak or on the edge of copy you won't.

If the trace is weak on the waterfall you will have a fair amount of errors in the text show up. No magic there.

The mic gain settings on transmit are critical to getting good copy at the other end. Too much and you have a lot of splatter. Too little and you aren't a good copy.

All that said it is a really fun mode and I am really enjoying it right now. But it isn't a "magic mode". It has the same limitations as QRP CW and is as fun as QRP CW! Just don't expect it to be more



than that.

=====

AB6MB

NorCal QRP Club #65, QRP-L #1780, ARCI 10071

Radical FIST Member 6798, Fanatic A's fan #1

-----  
Do you Yahoo!?

Yahoo! Mail Plus - Powerful. Affordable. Sign up now.

<http://mailplus.yahoo.com>

-----  
Date: Wed, 27 Nov 2002 12:13:42 -0800

From: Jeff Grudin <[jeff@grudin.net](mailto:jeff@grudin.net)>

To: [qrp-l@lehigh.edu](mailto:qrp-l@lehigh.edu)

Subject: [141014] Re: Can anyone lookup a part for an SW40+?

Message-ID: <000801c29651\$7b8b7690\$6401a8c0@GRUDIN2>

MIME-version: 1.0

Content-type: text/plain; charset=Windows-1252

Content-transfer-encoding: 7BIT

KB3CBS gave me the answer. That saved me a day of delay. It was 1K  
BTW.

-----  
73 de AC6KW <<mailto:jeff@grudin.net>>

Jeff Grudin, DVM Web Add: <http://www.grudin.net>

Ocean Animal Clinic / Cat Clinic of Santa Cruz - Santa Cruz, California  
Montgomery 23 Hull #072 Norcal QRP \* QRP-L \* ARS \* AR Qrp

---  
Outgoing mail is certified Virus Free.

Checked by AVG anti-virus system (<http://www.grisoft.com>).

Version: 6.0.413 / Virus Database: 232 - Release Date: 11/6/2002

-----  
Date: Wed, 27 Nov 2002 14:20:24 -0600

From: Rob Matherly <w0jrm@arrl.net>  
To: fpqrp-l@fpqrp.com, soc@mailman.qth.net, qrp-l@lehigh.edu  
Subject: [141015] Need CAD schematic symbols  
Message-ID: <200211272020.gARKKkc1028390@mail.iowasocan.com>  
Content-Type: text/plain;  
charset="iso-8859-1"  
MIME-Version: 1.0  
Content-Transfer-Encoding: 8bit

Does anyone have a .dwg, .dxf, .dwb., or .igs file with schematic symbols or know where I could find one? Wanting to draw schematics with VariCAD, but would like to know if there is a collection of schematic symbols I can work with before I start making my own :^)

```
--  
><><><><><><><><><><><><><><><><><><>  
72-73-00  
(W)(O)(J)(R)(M)  
Rob Matherly - Plano, Iowa - EN30ls  
http://www.qsl.net/w0jrm  
AIM-w0jrm; ICQ-114690148; Y!-w0jrm  
ARRL -- FPqrp -330 -- IA QRP #143  
SOC #497 -- QRPP-I #19
```

Date: Wed, 27 Nov 2002 13:20:56 -0700 (MST)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: "Juan A. Bertolin" <ea5xq@qsl.net>  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [141016] Re: Reducing Losses in my ZMATCH  
Message-ID: <Pine.LNX.4.44.0211271314480.2365-100000@bucket.dog>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Juan, if you stop and think, if the capacitors and inductors are perfect then your tuner loss will be zero. Now the capacitors, if they don't arc over are fine. It's the inductor that has a real Q and that is what absorbs power. How much? Well it depends on the Q and the higher the Q the lower the loss.

I measured a MFJ tuner and the loss is documented on my web page. To read that test data goto <http://www.zianet.com/k5di/> and click on MFJ and at the bottom of that click on Data. That might help you.

On Wed, 27 Nov 2002, Juan A. Bertolin wrote:

> Hi,  
>  
> I'm trying to improve my ZMATCH, following the instructions of W6JJZ in  
> NCQRP web site. Currently my one is using a T130-2 core and in the W6JJZ's  
> article mentions the option of using T130-6 because the Q is higher. I'm  
> quite concern about the losses that I'm perceiving when I use the tuner (by  
> means of my Field Strength Meter) in 20m. With the T130-6, I mean with a  
> core of high Q the efficiency will be better and I will get less losses?  
> But with high Q the bandwidth of tuner will be less, narrower isn't it?  
>  
> Any experience on that? I'm going to perform some tests with T130-6 versus  
> #2 but I will appreciate any comments about another way of improving the  
> ZMATCH and reducing the losses  
>  
> 73s Juan  
>  
>

=====  
=====

> EA5XQ, QRA:Juan, QTH:Almazora, LOC:IM99XW (now in XE2/EA5XQ LOC: DL95to)  
> Clubs: URE, G-QRP #9805, QRP-L #1461, EA-QRP #471  
> MSMessenger: ea5xq\_Juan@hotmail.com  
> @@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@  
> Web Site: <http://www.qsl.net/ea5xq> (english version in  
> [http://www.qsl.net/ea5xq/index\\_eng.html](http://www.qsl.net/ea5xq/index_eng.html) )  
>

=====  
=====

>  
>

-----

Date: Wed, 27 Nov 2002 16:08:27 -0500  
From: Dave Richards <wr3i@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>,  
w2agn@w2agn.net  
Subject: [141017] Re: FOX Nuts!  
Message-ID: <1XZQN7Q0F0DA4XZXA8A02U84SR942U.3de5344b@Home4>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"

He's much older than that , look at his social security number in his mail (SSN 106)

Dave

W1QB

11/27/2002 11:41:36 AM, W2AGN <w2agn@w2agn.net> wrote:

>On 27 Nov 2002 at 9:34, Karl F. Larsen wrote:

>

>>

>> I'm crossing my fingers. Hard to do at age 67...:-)

>>

>>

>

>I should say so! Especially since a month ago you said you were 64. That  
>rapid aging is a bummer.

>

>I KNOW you'll be listening for W2AGN!

>

>

>

>---

>+---+---+---+---+ John L. Sielke

>|W||2||A||G||N| <http://www.w2agn.net> [UPDATED]

>+---+---+---+---+ Ex-K3HLU,TF2WKT,W7JEF,W4MPC,N4JS

>

-----  
Date: Wed, 27 Nov 2002 13:08:47 -0800

From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>

To: elecraft@mailman.qth.net

Cc: QRP-L <qrp-l@lehigh.edu>

Subject: [141018] Elecraft holiday gift guide for non hams updated

Message-ID: <3DE5345F.9D4E175@elecraft.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Need something else to build and want to drop a hint for an upcoming holiday gift? We have updated our Elecraft Gift Buying Guide for Non Hams to include our latest releases, including the KAT100 external ATU and the KPA100 option for the K2. Descriptions of each product are written for non hams and it also includes a handy "I need this!" check list that you can leave laying around 'by mistake' for someone to find....

The guide is at:

[http://www.elecraft.com/elecraft\\_option\\_kits.htm](http://www.elecraft.com/elecraft_option_kits.htm)

73, Eric WA6HHQ

<http://www.elecrafter.com>

-----  
Date: Wed, 27 Nov 2002 15:02:57 -0600  
From: "Tim, N9PUZ" <n9puz@arrl.net>  
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [141019] Re: PCB Engineer WannaBees  
Message-ID: <200211272159.PAA08593@steel.eosinc.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

>>This email is an endorsement for <http://www.expresspcb.com/>  
>>  
>>If you ever wanted to design your own PCBs with minimal effort=  
and  
>>lots of convenience, I can highly recommend ExpressPCB.

In conjunction with their inexpensive sized board=  
<http://www.polycase.com> sells reasonably priced enclosures and=  
has one size (I don't have the part number handy) that is a=  
perfect fit. They sell small quantities direct too.

Tim, N9PUZ  
<http://www.qsl.net/n9puz>

-----  
Date: Wed, 27 Nov 2002 13:20:51 -0800  
From: "DTX" <dtx@wood.tzo.com>  
To: <qrp-l@lehigh.edu>  
Subject: [141020] Re: PSK31 revisted...  
Message-ID: <007d01c2965a\$dcbea5a0\$0c00a8c0@home>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

----- Original Message -----  
From: "Jeff" <fantbb@yahoo.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Wednesday, November 27, 2002 12:05 PM

Subject: PSK31 revisted...

> A while back I posted a message critical of PSK31 not being all it's  
> cracked up to be. I have using it quite a lot lately and found that  
> it is indeed a fun mode. However there are some caveats to it I'd  
> like to point out.

Ah yes. It is an absolutely delightful mode for us incorrigible ragchewers  
;-)

> I am really doubtful that it is any better for QRP than CW. I have  
> found that at less than 10 watts the signals aren't as readable  
> someone running 20 watts for more. The rate of copy seems to drop off  
> and a lot more errors creep in. I haven't seen any difference in copy  
> quality when other stations are running more than 20 watts though.

Right. As with most digital modes, once you get enough signal to be "error  
free" 2 or 4 times more buys absolutely nothing. Except riding thru bad  
QSB. And 2 to 5 watts is usually pretty marginal. Doable, but marginal.  
The one area I think it is "better" is putting signals close to each other.  
There have been many, many occasions where I will find 5 or 6 relatively  
equal strength signals in say 300 or 400hz. And just walk along reading  
each one (until someone who thinks running his 200 watt exciter barefoot is  
low power shows up ;-). That is hard to do with CW stations. Not that there  
are not some among us who can do that. My original Elmer never switched in  
a narrow filter. Then he wouldn't know what the rest of the guys were  
talking about. Seriously.

> The same rules apply for QRP CW as QRP PSK31. If the other station is  
> loud you will have a good QSO. If he is weak or on the edge of copy  
> you won't.  
> If the trace is weak on the waterfall you will have a fair amount of  
> errors in the text show up. No magic there.  
> The mic gain settings on transmit are critical to getting good copy  
> at the other end. Too much and you have a lot of splatter. Too little  
> and you aren't a good copy.

Yes, inter-symbol distortion is a killer. Better to have 3db less power than  
you think is ok. Never, ever see the ALC kick. Have you experimented with  
any MFSK16 software yet? That is the one mode I find that 9 times out of 10  
will get better results under those marginal conditions, especially on the  
lower bands, 30M on down to 160M. It is also 8 times broader, a bit slower  
and does post processing so characters come out in little bursts of 8 (I  
think). Mix, Hamscope and Stream have it and probably others but Digipan  
does not.

> All that said it is a really fun mode and I am really enjoying it

> right now. But it isn't a "magic mode". It has the same limitations  
> as QRP CW and is as fun as QRP CW! Just don't expect it to be more  
> than that.

Some times. IF the tx signal is clean. And the path is stable. You may  
(but not always ;-) get 90% print on signals that can not be heard in the  
speaker/phones and is barely visible on the waterfall. Usually when a QSO  
is fading into oblivion from 100% print on 80M and you start getting some  
misses.....you realize there is nothing but hiss in the turned down speaker  
and look at the waterfall instead of the text window. But that IS the  
exception.

Plus, IMHO, it is not a good contest mode. And it is a bit awkward for nets  
or round table discussion groups since it lacks the quick in and out of CW  
with full break-in or SSB's ability to actual hear all three stations answer  
at once. Usually ;-)

FWIW,

Gary WA6DTX

> =====  
> AB6MB  
> NorCal QRP Club #65, QRP-L #1780, ARCI 10071  
> Radical FIST Member 6798, Fanatic A's fan #1  
>  
> -----  
> Do you Yahoo!?  
> Yahoo! Mail Plus - Powerful. Affordable. Sign up now.  
> <http://mailplus.yahoo.com>

-----  
Date: Wed, 27 Nov 2002 15:23:21 -0600  
From: Rob Matherly <w0jrm@arrl.net>  
To: qrp-l@lehigh.edu, fpqrp-l@fpqrp.com  
Subject: [141021] Anyone build one of these?  
Message-ID: <200211272123.gARLNhc1030503@mail.iowasocan.com>  
Content-Type: text/plain;  
    charset="iso-8859-1"  
MIME-Version: 1.0  
Content-Transfer-Encoding: 8bit

<http://www.hobbytron.net/R-QAMP-30.html>

It's a 30m linear amp that boosts a 1-2 watt signal to around 20 watts.  
Anyone build one? Comments?

[illegible]

(W) (O) (J) (R) (M)

http://www.qsl.net/w0jrm

ARRL -- FPqrp -330 -- IA QRP #143

-----

Message-ID: <200211272131.gARLVJf16099@hartford-hwp.com>

-----

Content-Transfer-Encoding: 8bit



Can anyone point me to an inexpensive (\$50 or less... I know, a stretch) 30m transceiver kit in the 1-2+ watt range? I'm dying to get on 30, but not enough cash on hand at the time being to get anything more than that :^/

[illegible]

(W) (0) (J) (R) (M)

<http://www.qsl.net/w0jrm>

ARRL -- FPgrp -330 -- IA QRP #143

SOC #497 - - QRPp-I #19

On Wednesday 27 November 2002 03:31 pm, some not-so-anonymous soul by the name of Haines Brown wrote:

Someone has said they'll send me some symbols in a .dwg format (thanks!!) that I should be able to use.



73, Leon

--

Leon Heller, G1HSM Tel: +44 1424 14790

Email:leon\_heller@hotmail.com

My web page: [http://www.geocities.com/leon\\_heller](http://www.geocities.com/leon_heller)

-----  
Protect your PC - get McAfee.com VirusScan Online  
<http://clinic.mcafee.com/clinic/ibuy/campaign.asp?cid=3963>

-----  
Date: Wed, 27 Nov 2002 15:55:27 -0600  
From: "David Bixler" <qrp@netins.net>  
To: "'Low Power Amateur Radio Discussion'" <qrp-1@lehigh.edu>  
Subject: [141026] Wednesday Warble Tonight  
Message-ID: <000001c2965f\$b2a5e030\$0a56f8d8@XPComputer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="us-ascii"  
Content-Transfer-Encoding: quoted-printable

Hi gang:

The Four State QRP Group will have our weekly "Wednesday Warble" tonight at 9:00 PM central time. All QRP'ers are invited to drop in and chat for while. You're not required to use a Warbler, any PSK rig is OK. QRO rigs are OK too!

Look for us on or near 3580.5 KHz. =20

Last week we had reception reports from both the east and west coasts so propagation was pretty good.=20

72, Dave

David Bixler                   W0CH  
Seneca, Missouri  
QRP Web Site:               <http://w0ch.com>  
Four State QRP Group:   <http://w0ch.com/fsqrp>

QRP: Little Radios, Big Fun!=20

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Date: Wed, 27 Nov 2002 16:59:38 -0500  
From: Pete Burbank <plburbank@kih.net>  
To: qrp-l@lehigh.edu  
Subject: [141027] Scope probe bargain  
Message-ID: <5.0.2.1.0.20021127165342.00a12700@KIH.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Got the MCM sale flyer today. A Tenma 1X/10X 60 MC probe for 19.99 bucks.  
Too bad I don't need one. (I'm bad with these ) but I think  
<http://mcmelectronics.com>  
should work.  
73  
Pete NV4V

-----  
Date: Wed, 27 Nov 2002 17:01:20 +0000  
From: ve3ab@mail.mondenet.com  
To: qrp-l@lehigh.edu  
Subject: [141028] RE: 24 volt to 5 v another possibiltity..series regulators.  
Message-ID: <200211272206.gARM6L524910@barclay.mondenet.com>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

Another possibilty...instead of a long string of series diodes..Ive  
done this myself..but..how about an 18 volt regulator then a 12 volt  
regulator then a 5 volt regulator. Drop the voltage in steps..another  
possibilty...73 Earl VE3AB

-----  
Date: Wed, 27 Nov 2002 17:17:24 -0500  
From: Rick McKee <kc8aon@juno.com>  
To: qrp-l@lehigh.edu, fpqrp-l@mpna.com  
Subject: [141029] Holiday wishes  
Message-ID: <20021127.171732.8926.0.kc8aon@juno.com>

Hope everyone has a safe and happy Thanksgiving !

72/73 de: Rick McKee, KC8AON <> Willow Wood, Ohio  
SW 40+, HW-8, Homebrew 6V6 tube TX & Surplus GRC 109 RX

Power is for punks ! QRP is for the confident !  
QRP-L #2112, FPqrp #33, AR QRP #269

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-----  
Date: Wed, 27 Nov 2002 17:37:37 -0500  
From: "Mike Yetsko" <[myetsko@insydesw.com](mailto:myetsko@insydesw.com)>  
To: "Low Power Amateur Radio Discussion" <[qrp-l@lehigh.edu](mailto:qrp-l@lehigh.edu)>  
Subject: [141030] OT: Math routines....  
Message-ID: <002e01c29665\$98d11de0\$0300a8c0@charter.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

OK, I KNOW this is 'Off Topic', but with all the antenna modeling  
and other AC circuit analysis going on here, I figured I could get a  
quick answer.

I need to do a series of equations for a piece of code I'm working  
on. Unfortunately, I don't have the 'math' routine for the version  
of Delphi it's written in. It's not that bad, I DO have exponential  
and natural log functions.

Thing is, I don't have  $X^{*Y}$  (X to the power Y).

So, I figure that's easy to get around, right?

Just  $\exp (x * \ln (Y))$  right?

But I must have it wrong...

Do I have severe brain fade and need to return to high school trig? Or  
am I dealing with something else?

Mike

-----  
Date: Wed, 27 Nov 2002 15:39:52 -0700 (MST)

From: "Karl F. Larsen" <k5di@zianet.com>  
To: qrp-1@lehigh.edu  
Subject: [141031] FOX: Sun conditions  
Message-ID: <Pine.LNX.4.44.0211271538280.2753-100000@bucket.dog>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Warning (500): Geomagnetic K-index of 4 expected  
From: 2002 Nov 27 1500 UTC To: 2002 Nov 27 2359 UTC  
Condition: Persistence

Alert (245): Geomagnetic K-index of 5  
Period: 2100-2400 UTC  
Threshold Reached on 2002 Nov 26 2321 UTC

Global HF Propagation Conditions  
for 2000Z on 27 Nov, 2002  
Low Latitude: Normal  
Mid Latitude: Normal  
Hi Latitude: Fair

Looks like normal for most of us.

-----  
Date: Wed, 27 Nov 2002 22:47:17 -0000  
From: "Andy GM0NWI" <gm0nwiqrp@btopenworld.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [141032] RF/Step Attenuator Info On ARRL Members Archive  
Website.....HELP PSE..  
Message-ID: <003601c29666\$f0ded080\$055bfea9@GM0NWI@LAPTOP>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Guy's....

I've been informed that there is info, ....I think values, diagram, circuit,  
component placing etc...  
for an "RF/Step Attenuator" in the ARRL Members Archives.....

I have the following info :-

[www.arrl.org/notes/1921/](http://www.arrl.org/notes/1921/).

I was wondering if any of the US hams here on the list could be as kind, to retrieve all the info on this subject via the above link for me...?

I would appreciate this very much guys.....think you need to be an ARRL member to access them,.....I just want to see what "type" of info there is on there regarding this device....

Thanks for the bandwidth, help.....answers on a postcard to the e-mail address below.

72's, 73's gm0nwiqrp@btopenworld.com

"..Badda-Bing..Badda-Boom.."

Andy

A.R.S. "..It is vain to do with more....

"A Dis-Orientated Kiwi...

GM0NWI QRP what can be done with less..."

In The Northern Hemisphere..."

GQRP No.9576

QRP-L No.2165

ICQ No.31899603

-----  
Date: Wed, 27 Nov 2002 14:51:43 -0800  
From: "Doug Hendricks" <ki6ds@dph.dpol.net>  
To: <qrp-l@lehigh.edu>  
Cc: "Rob Matherly" <w0jrm@arrl.net>  
Subject: [141033] Re: Looking for inexpensive 30m kit  
Message-ID: <002301c29667\$918b0440\$4a0b0d0a@dph.dpol.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Rob, you can get the SWL30+ for \$55 and it is a superbe performer for the price on 30 meters. You will love it. Can't go wrong on that one. The url is [www.smallwonderlabs.com](http://www.smallwonderlabs.com) Check it out. 72, Doug

-----  
Date: Wed, 27 Nov 2002 17:54:10 -0500  
From: John Harper AE5X <ae5x@qsl.net>  
To: QRP-L <qrp-l@lehigh.edu>  
Subject: [141034] Re: Awesome keyer kit

Message-ID: <000301c29667\$e6752530\$6401a8c0@Home>

MIME-version: 1.0

Content-type: text/plain; charset=iso-8859-1

Content-transfer-encoding: 7BIT

I used illuminated switches from my junk box that I "procurred" a long time ago. I'm also using 3 AAA batteries - nice to know they'll last several years and that the keyer turns itself off after not being used for a while - no need for an On/OFF switch.

John Harper AE5X

Outdoor QRP & 80-Meter DXing: <http://www.ae5x.com>

-----  
Date: Wed, 27 Nov 2002 18:02:32 -0500

From: "Mike Yetsko" <myetsko@insydesw.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [141035] Re: Math routines.... Brain Fade!

Message-ID: <004b01c29669\$12509a80\$0300a8c0@charter.net>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

> Thing is, I don't have  $X^{**Y}$  (X to the power Y).

>

> So, I figure that's easy to get around, right?

>

> Just  $\exp (x * \ln (Y))$  right?

>

> But I must have it wrong...

As was just pointed out to me...

I really DID have brain fade!! It's  $\exp (Y * \ln(X))!!$

Mike

-----  
Date: Tue, 26 Nov 2002 21:20:12 +0000



From: Brian Short <bshort4@cox.net>  
To: qrp-l@lehigh.edu  
Subject: [141036] Re: OT: Math routines....  
Message-ID: <20021127230309.0BFL2201.fed1mtao03.cox.net@k7on-2000>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Ummm,,,

$\exp(\ln(x) * y)$ ,

but, wouldn't simply iterating the multiplication be better?

$\text{pow}(x, y) \leftarrow (y == 0) ? 1 : x * \text{pow}(x, y-1)$

At 05:37 PM 11/27/2002 -0500, you wrote:

>OK, I KNOW this is 'Off Topic', but with all the antenna modeling  
>and other AC circuit analysis going on here, I figured I could get a  
>quick answer.

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>I need to do a series of equations for a piece of code I'm working  
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>Do I have severe brain fade and need to return to high school trig? Or  
>am I dealing with something else?

>

>Mike

>

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See my web page: <http://www.k7on.com/>

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End of QRP-L Digest 2752

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